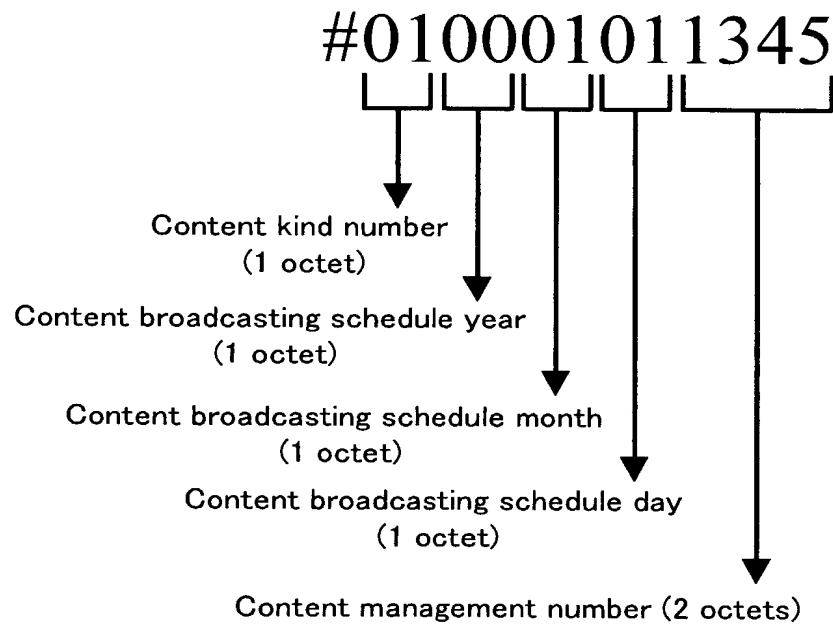


Fig. 2



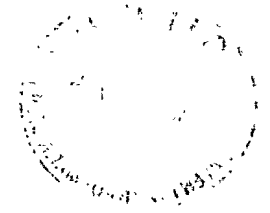


Fig. 3

Content kind Large item	Content kind Small item	Content kind number
News	Politics/Economy	00
	Sports	01
	Weather	02

Sports	Soccer	10
	Athletics	11

Music	Japanese music	20
	Western music	21

Game	Role playing	30
	Race	31
	Shooting	32
	Action	33
	Simulation	34
	Adventure	35

...

Fig. 4

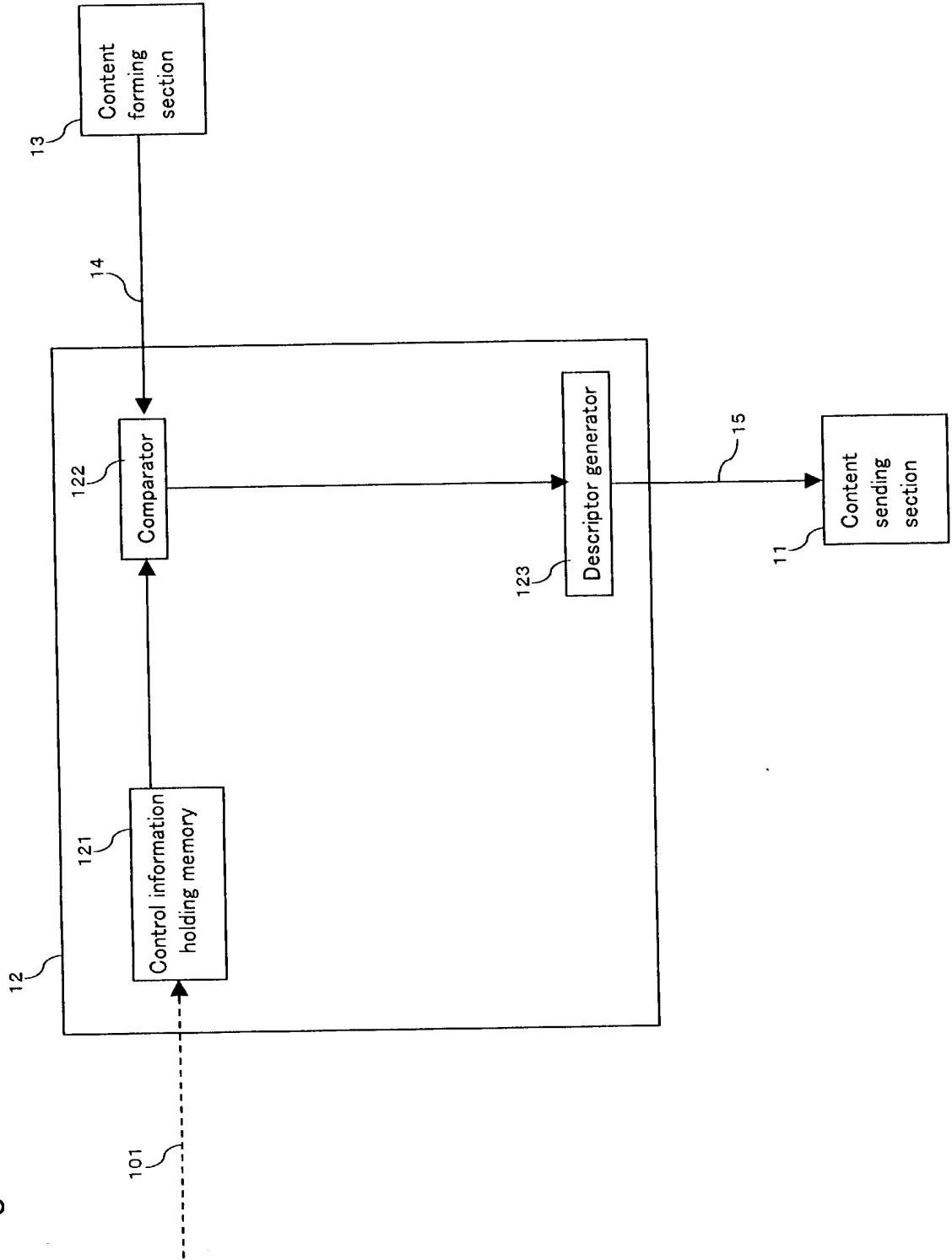


Fig. 5

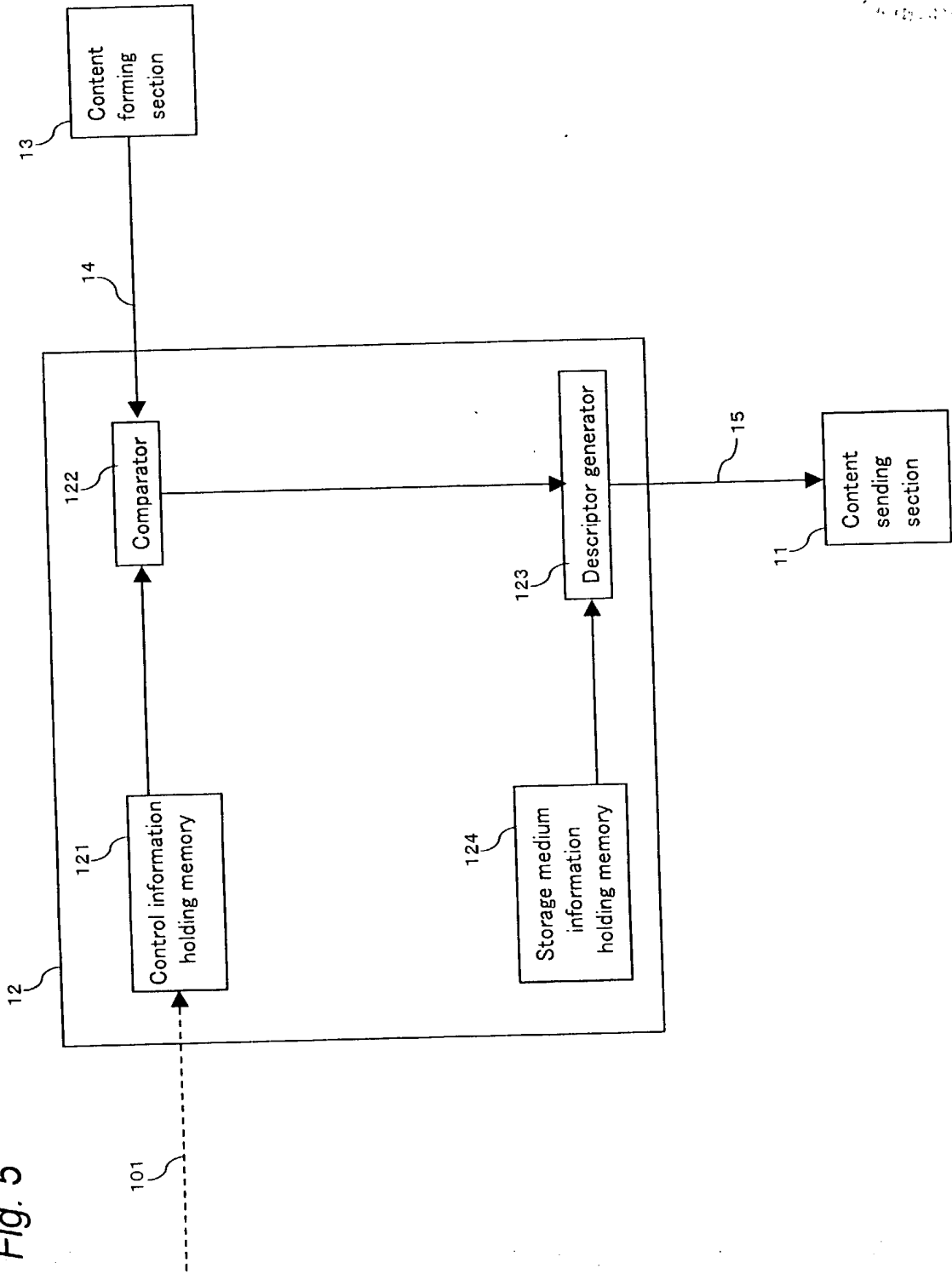


Fig. 6

Name of user	Receiving apparatuses identification number	Usage period	Content kind number	Content number
A	ID(A1),ID(A2)	99/10/28~ 00/03/31	01	-
A	ID(A1),ID(A2)	-	-	#010001011345

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Fig. 7

Name of user	Receiving apparatuses identification number	Usage period	Content kind number	Content number	Storage identifier
A	ID(A1),ID(A2)	99/10/28~ 00/03/31	01	—	β
A	ID(A1),ID(A2)	—	—	#010001011345	β



Fig. 8

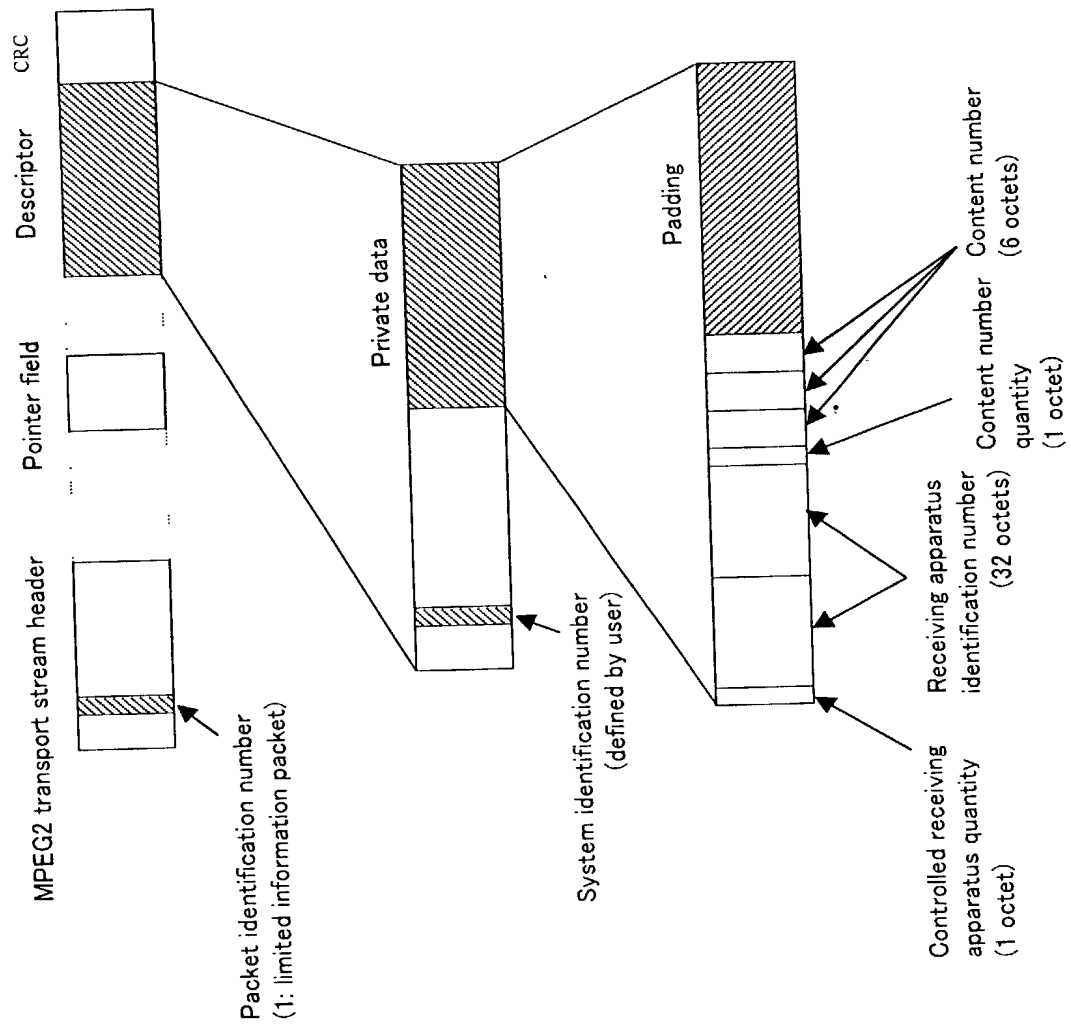
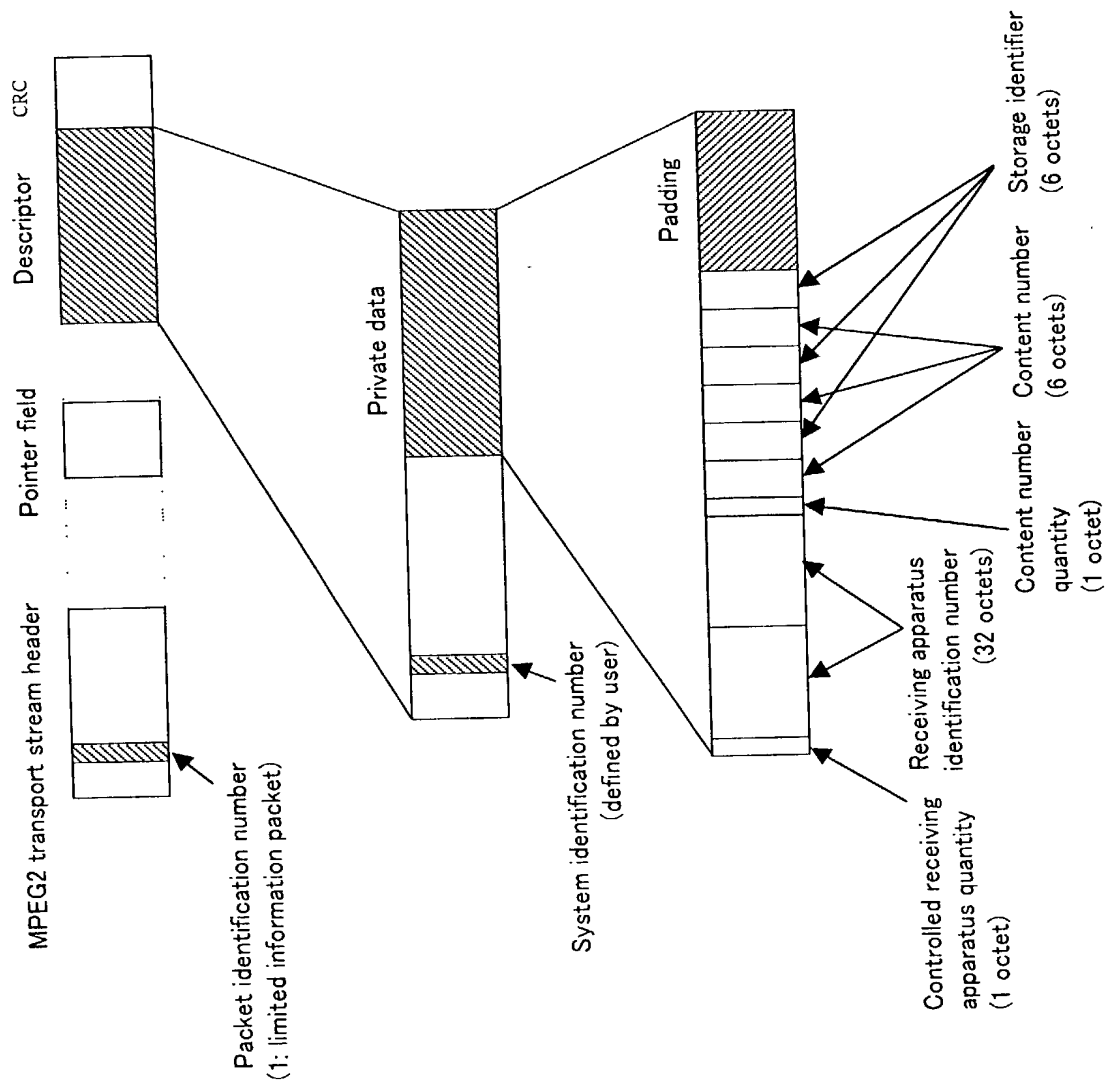


Fig. 9



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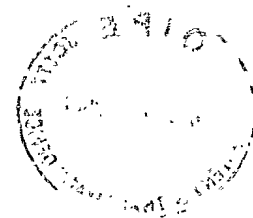




Fig. 10

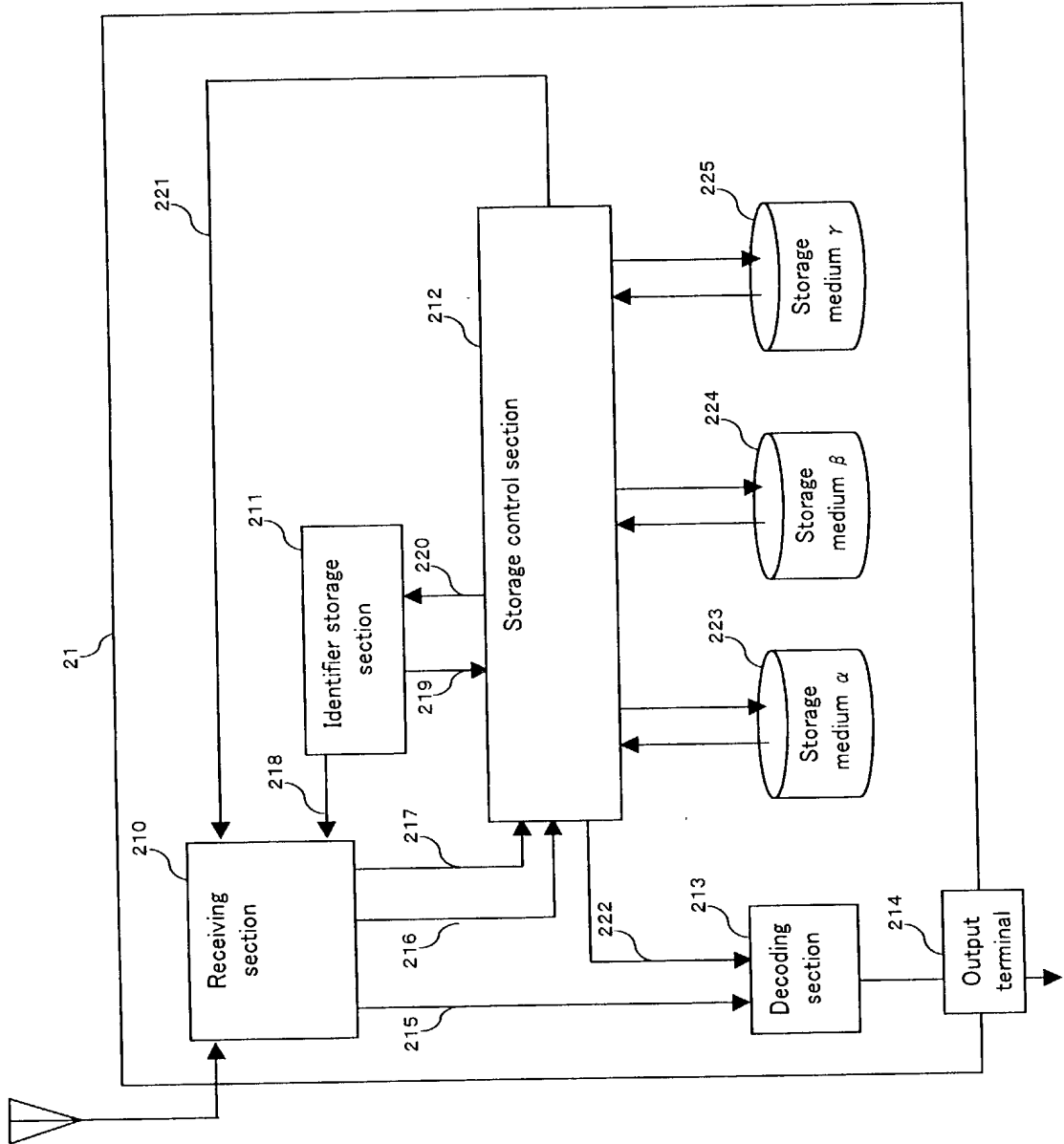




Fig. 11

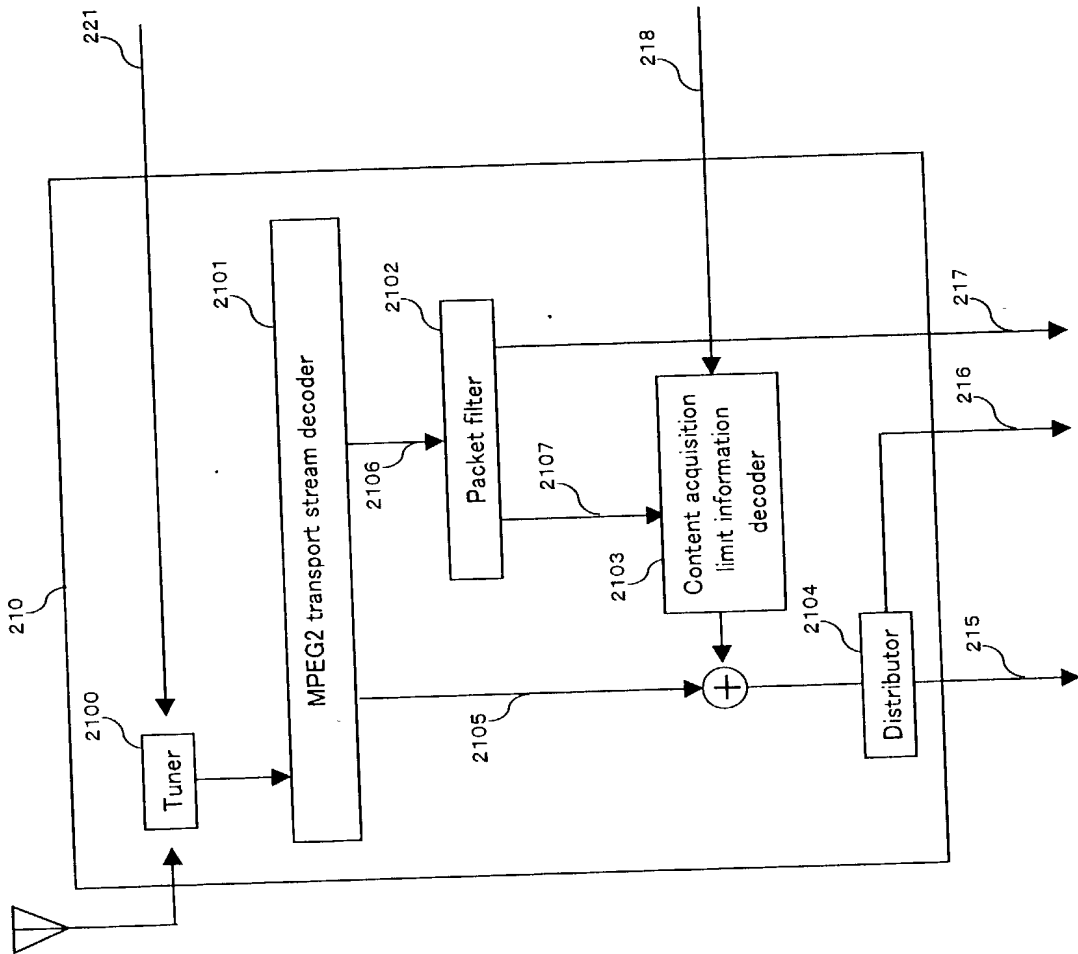


Fig. 12

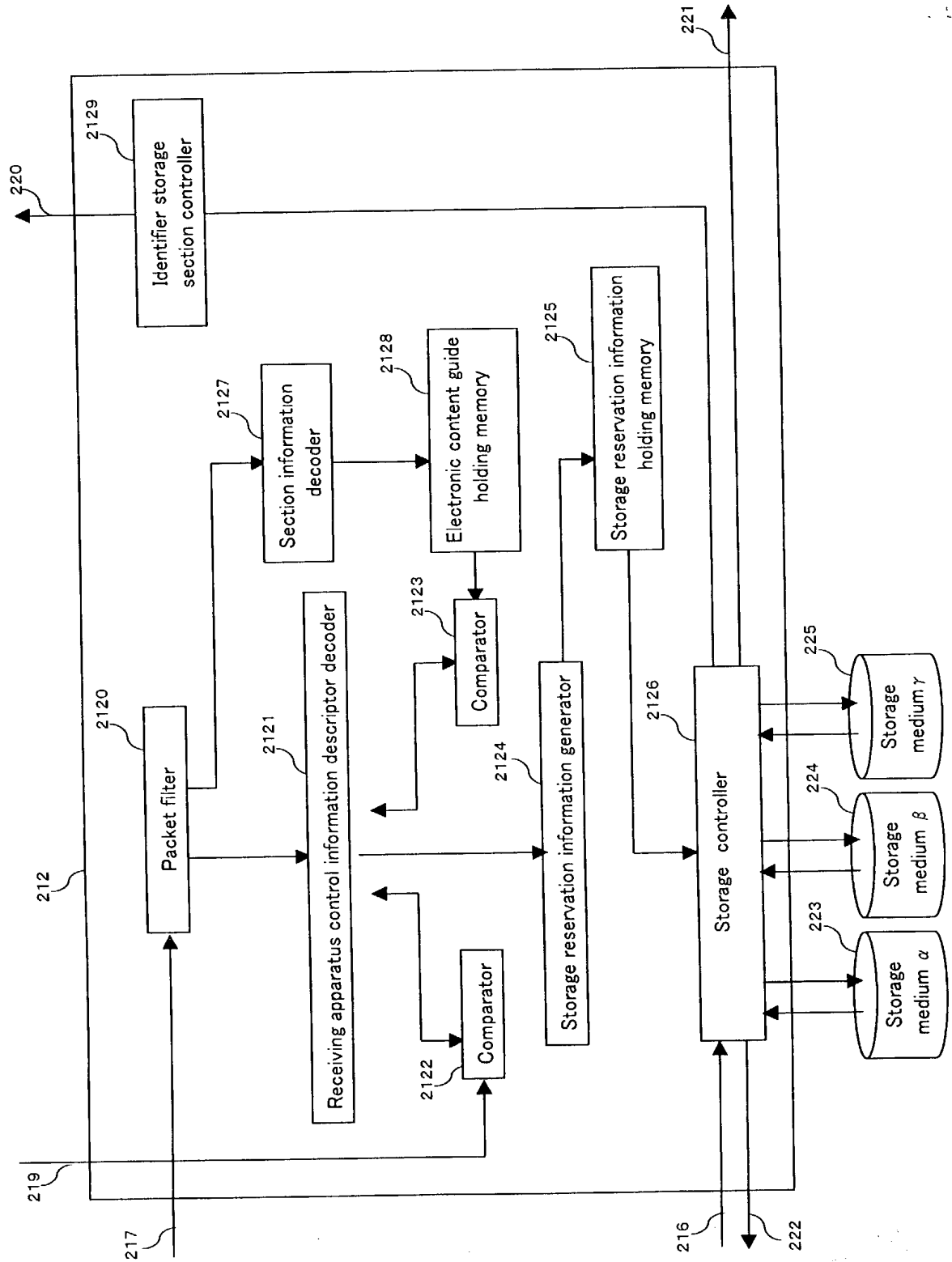
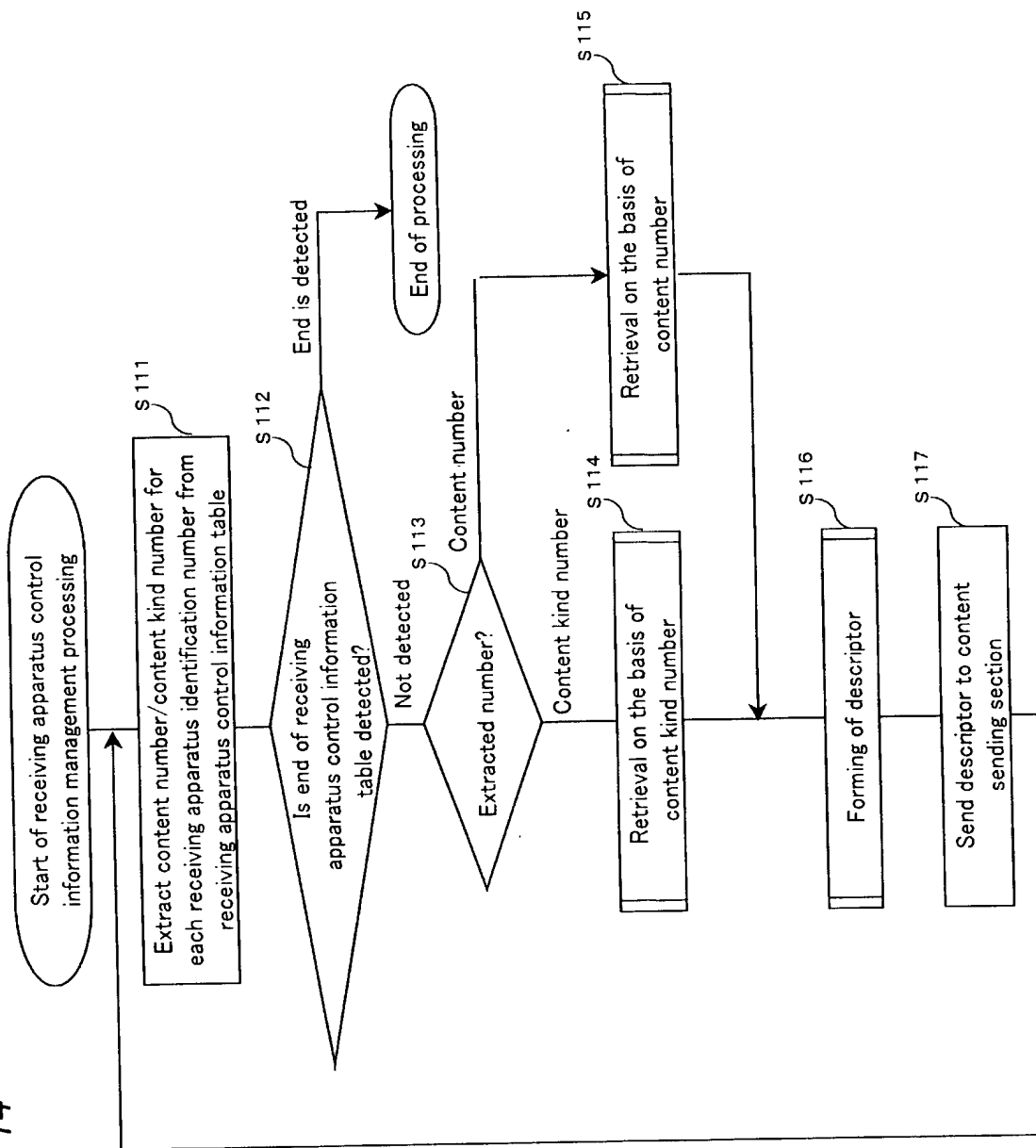




Fig. 13

Content kind number	Storage medium identifier
00	α
01	β
02	α
...	...
10	γ
11	γ
...	...
20	α
21	α
...	...
30	β
31	β
32	β
33	β
34	β
35	β
...	...
...	...

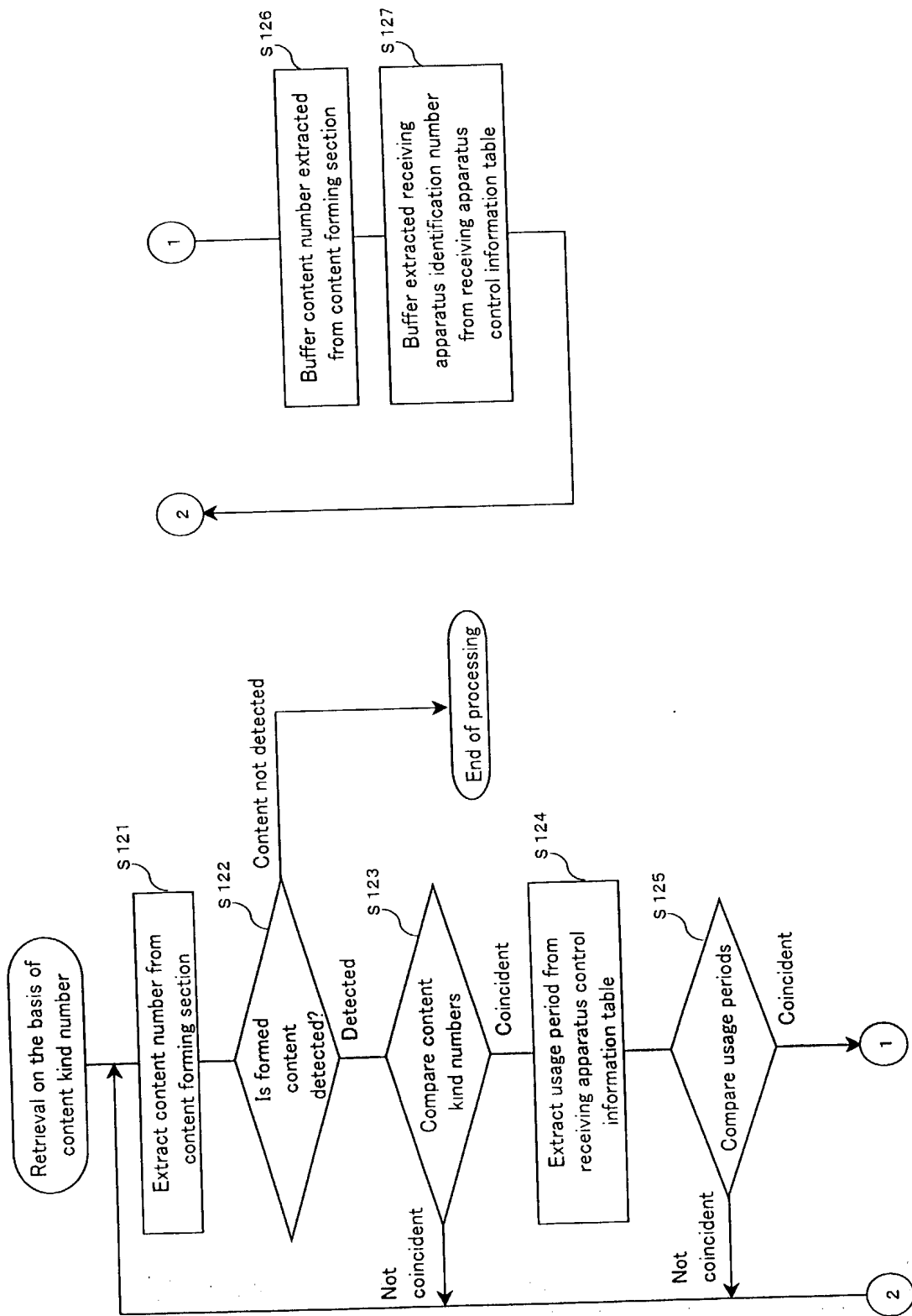
Fig. 14



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Fig. 15



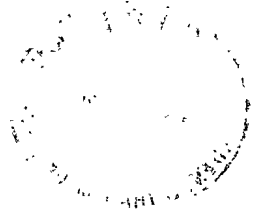


Fig. 16

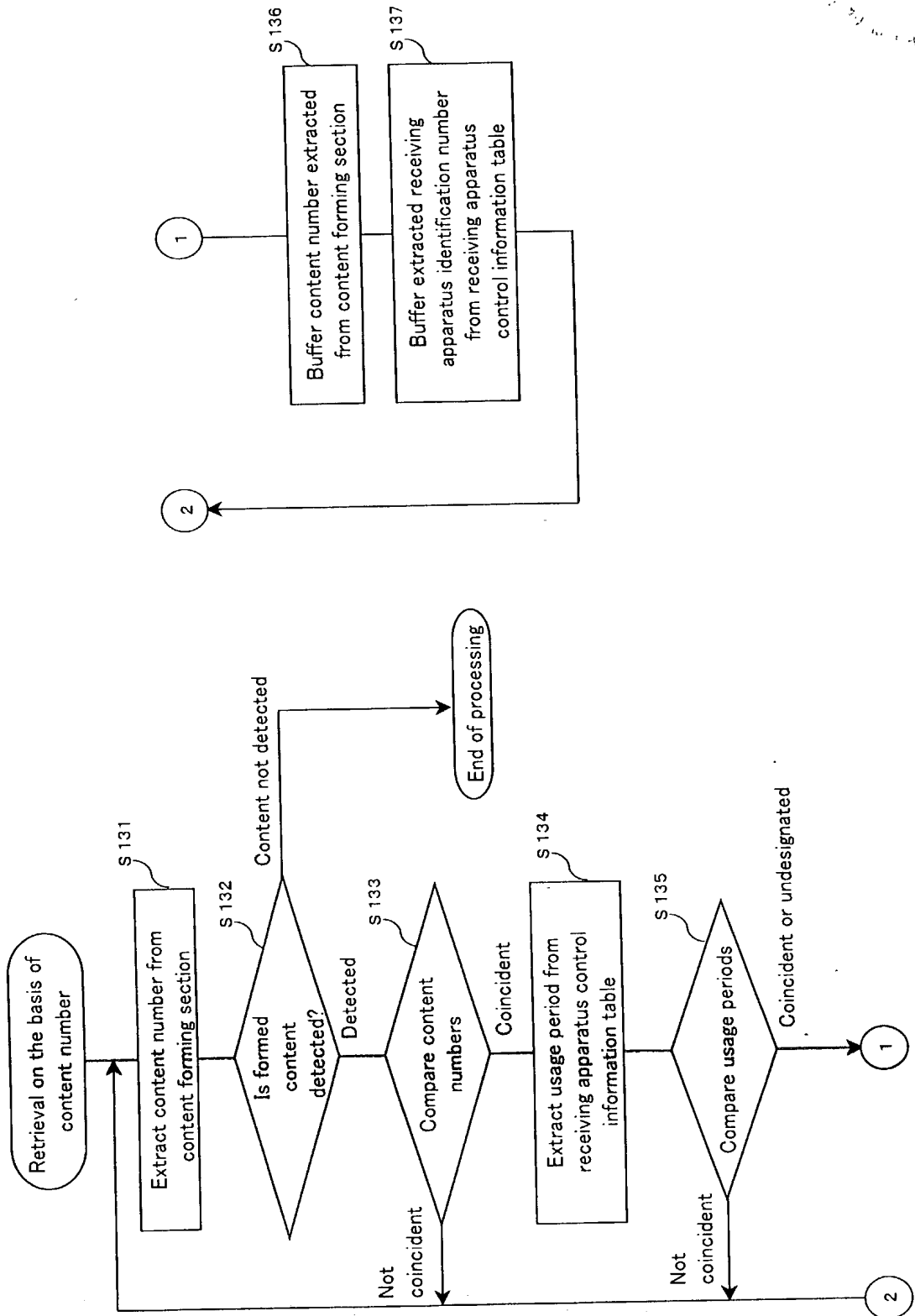


Fig. 17

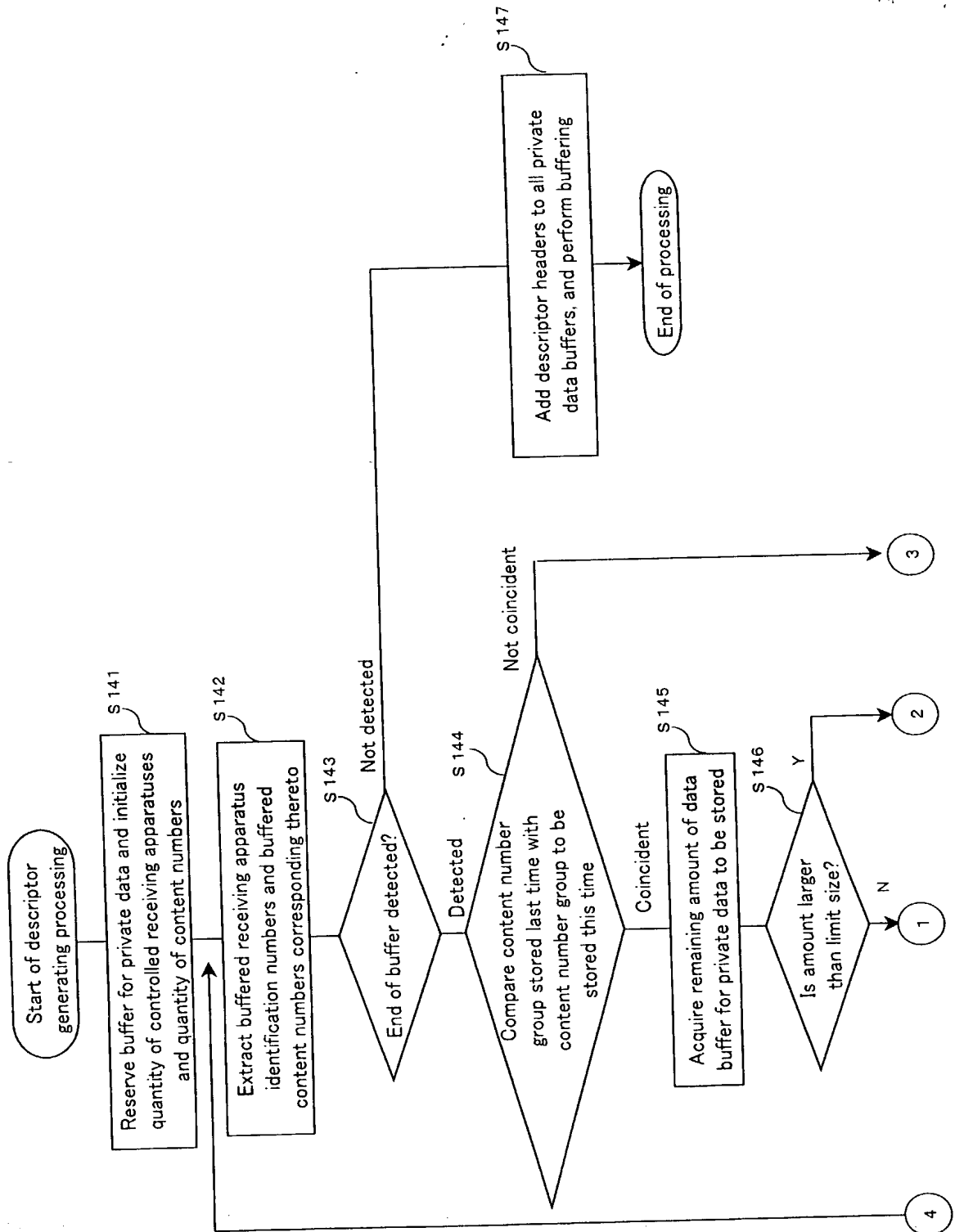


Fig. 18

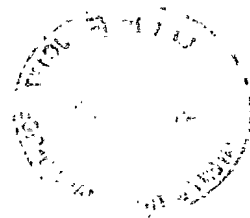
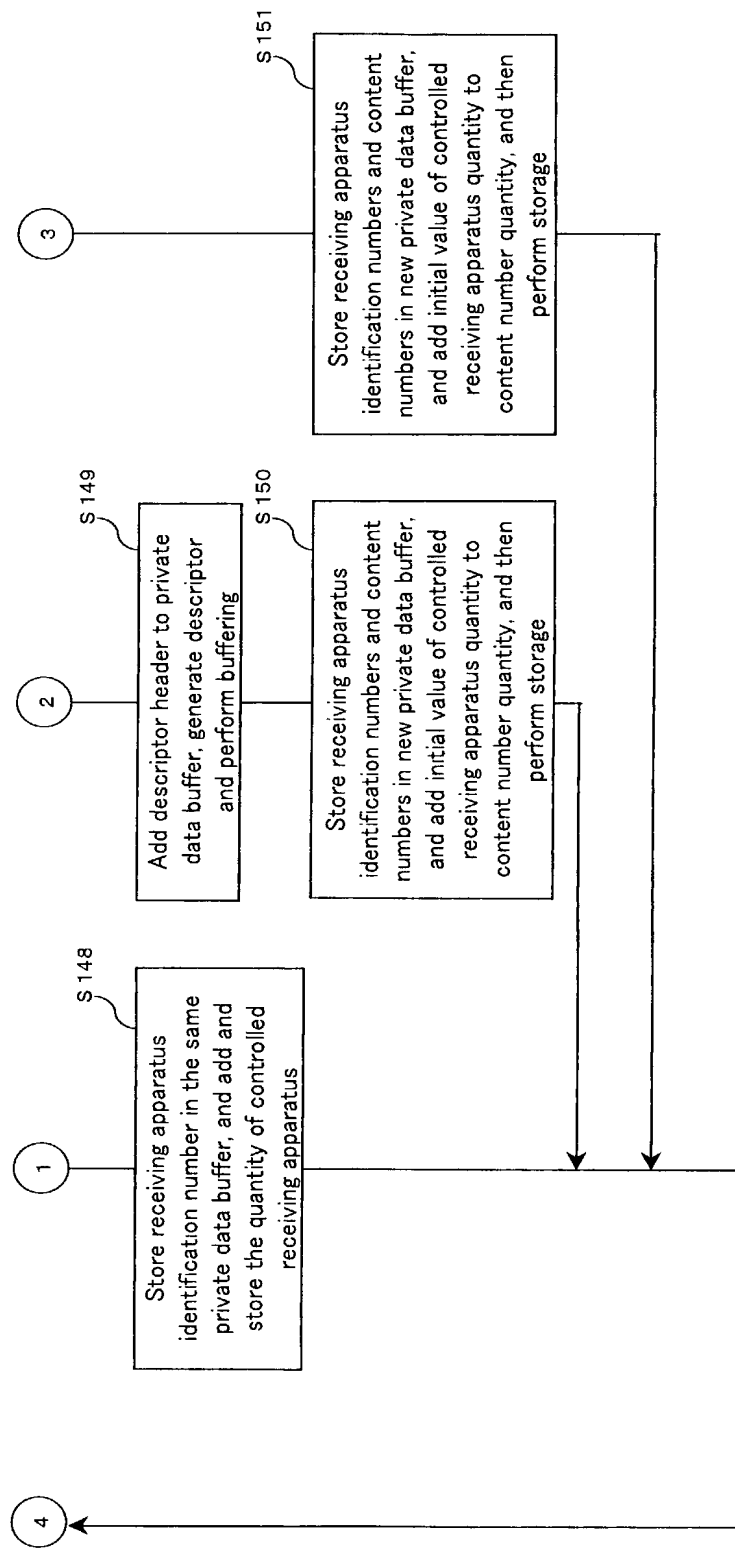
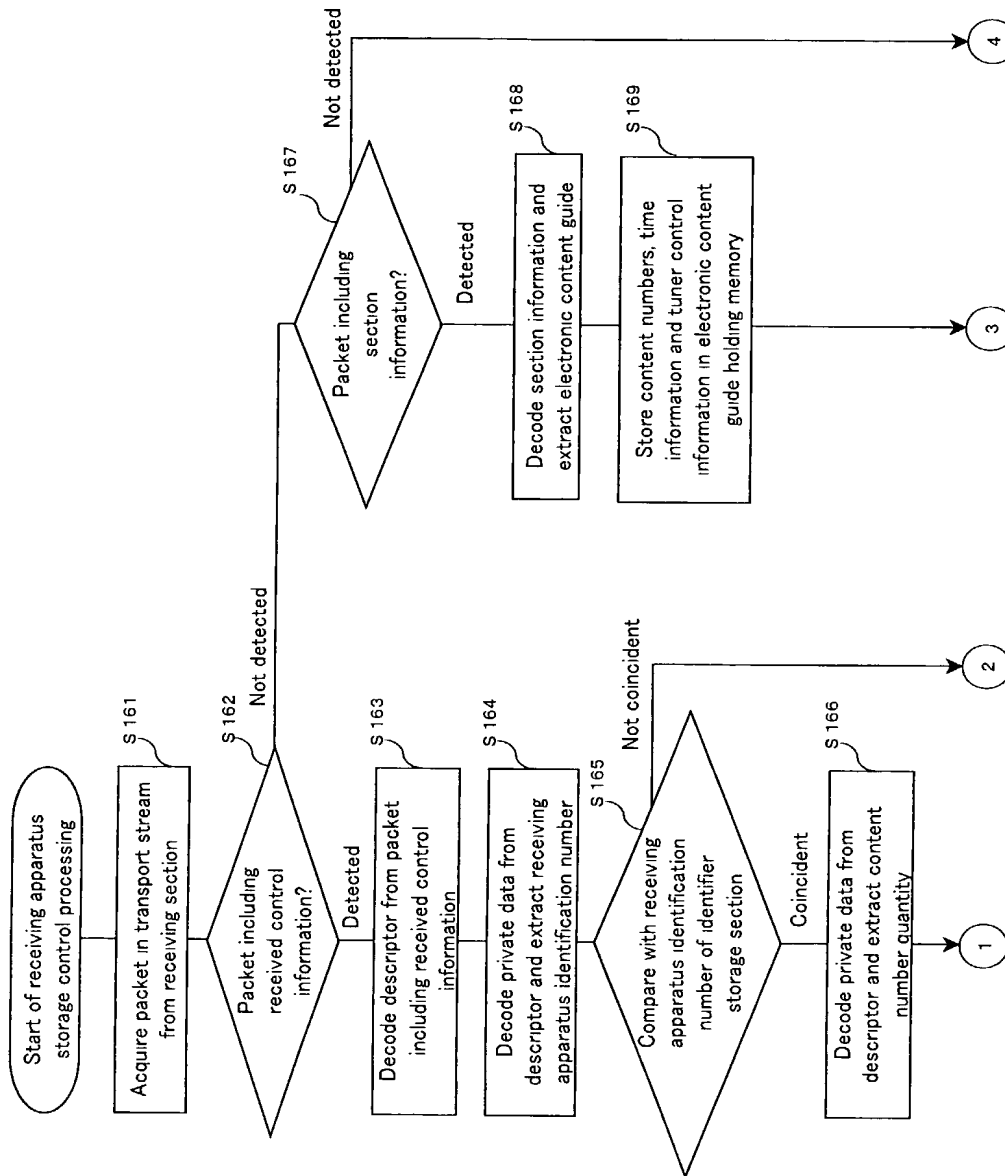


Fig. 19



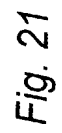




Fig. 23

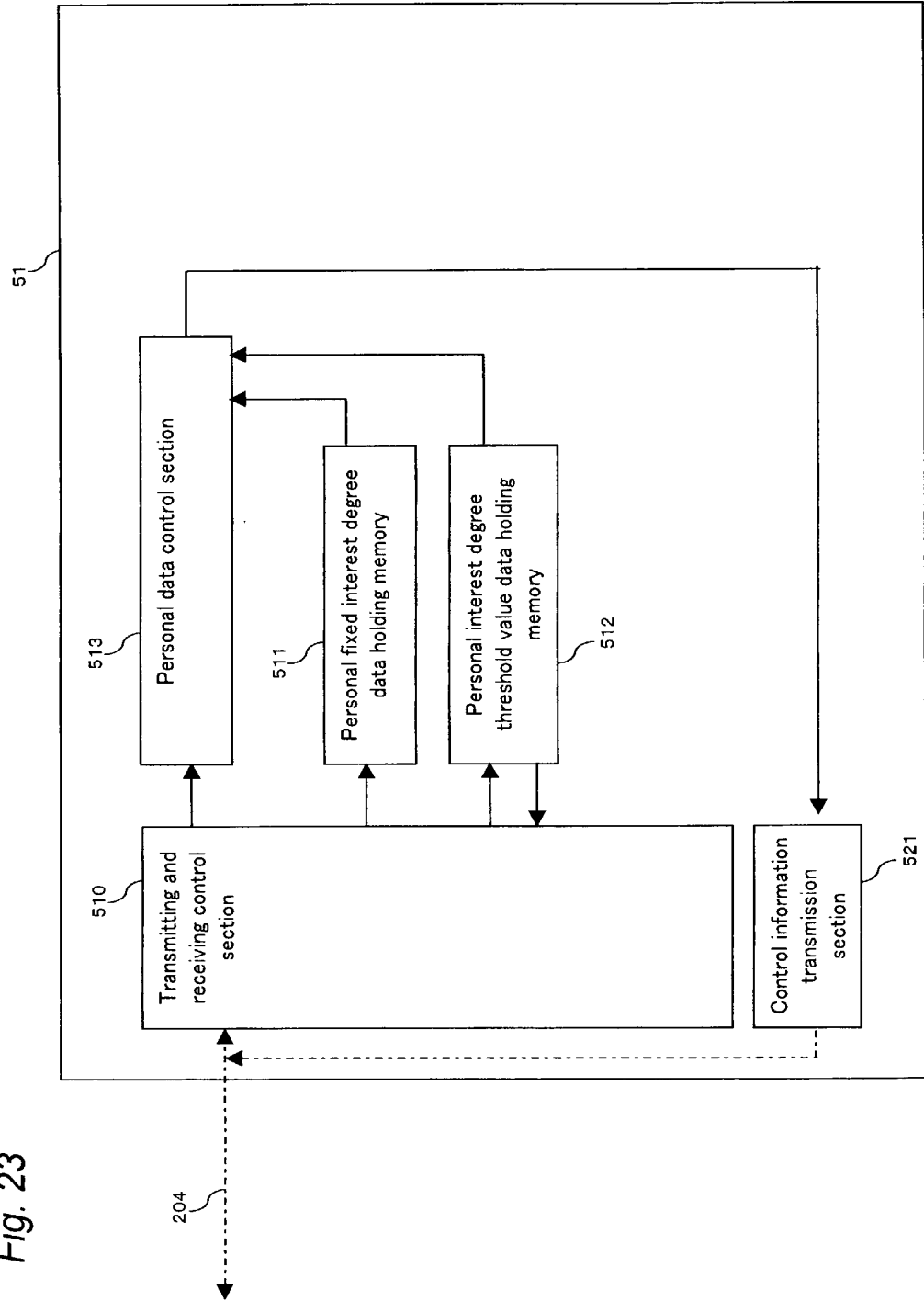
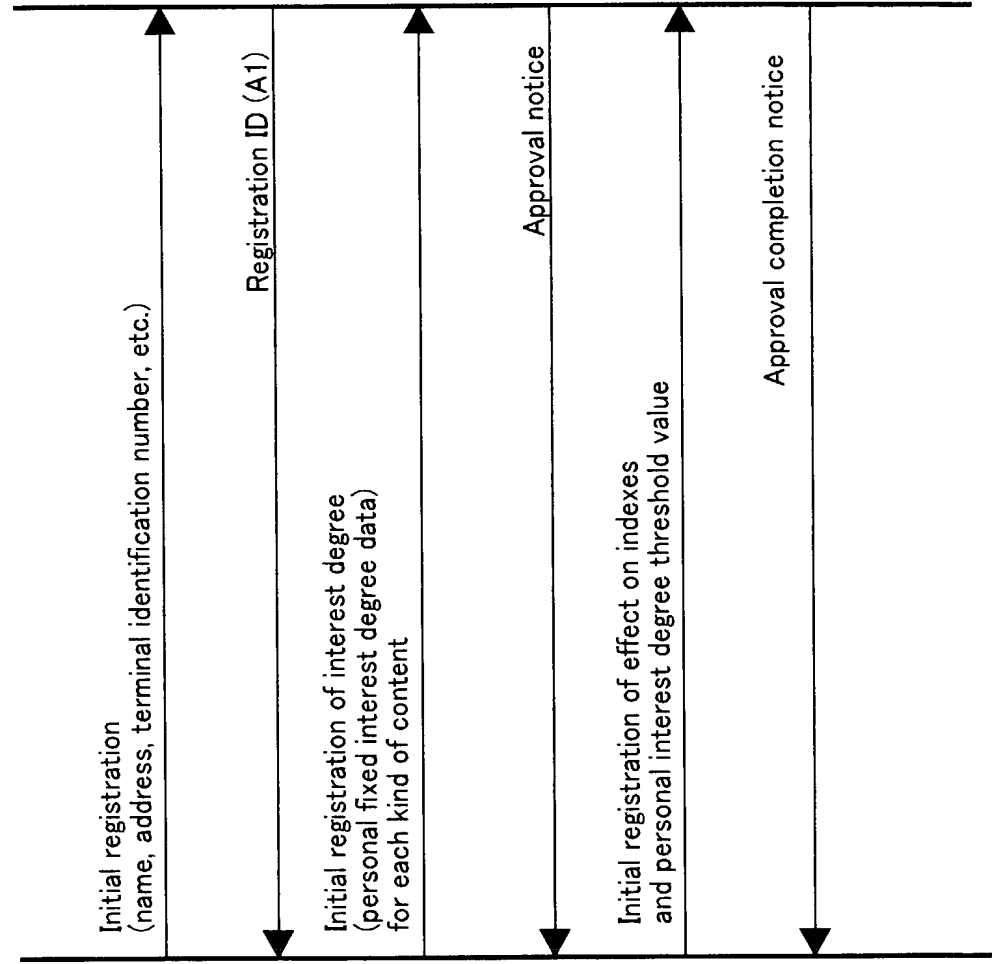


Fig. 24

Management
apparatus

User A



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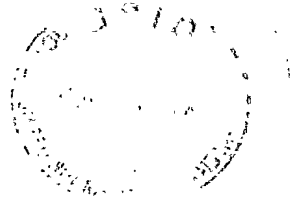


Fig. 25

Management
apparatus

User A

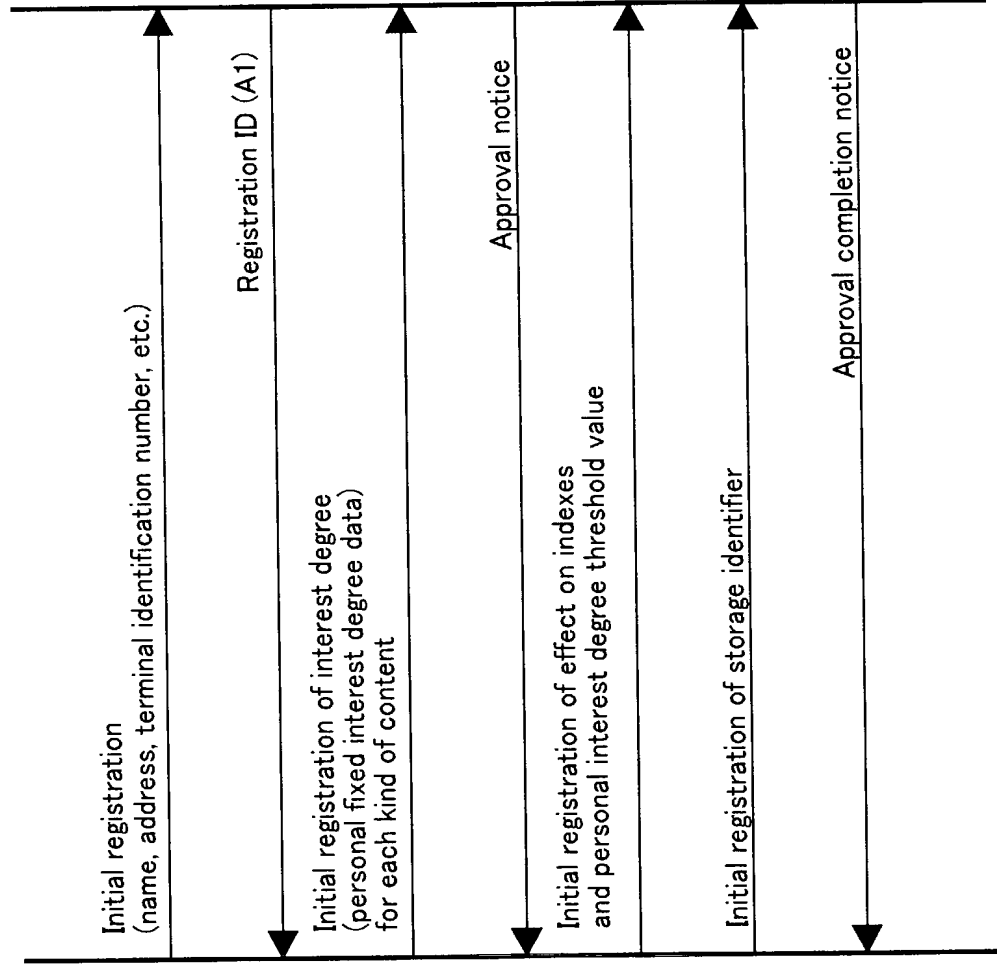


Fig. 26

User name	Receiving apparatuses identification number
A	ID(A1),ID(A2)

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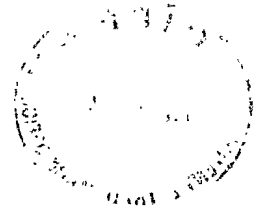


Fig. 27

Content kind number									
	00	01	02	03	10	11	20	21	22
User name	00	01	02	03	10	11	20	21	22
A	1.0	-2.5	-0.5	-1.5	2.5	0.5	0.5	0.5	0.5



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Fig. 28

	Content kind number									
User name	00	01	02	03	10	11	20	21	22	
A	1.0	-2.5	-0.5	-1.5	2.5	0.5	0.5	0.5	0.5	0.5
	α	β	α	α	α	γ	γ	α	α	α

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Fig. 29

Index	Interest degree threshold value
Degree of health	-0.5
Degree of time to spare	-2.0
Family budget	1.5

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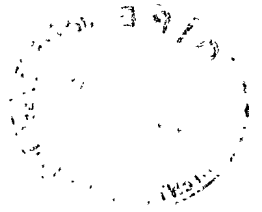


Fig. 30

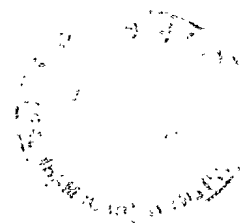
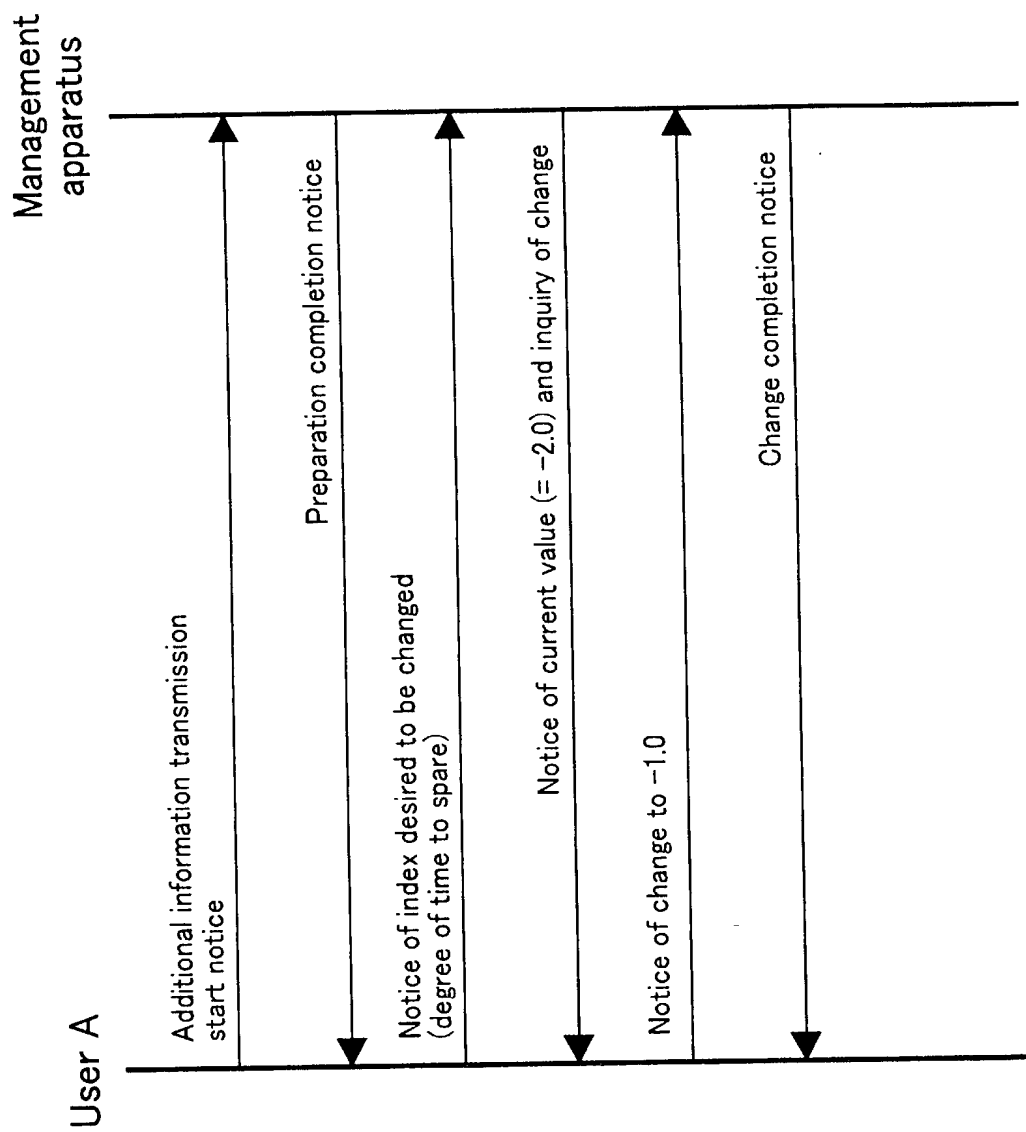


Fig. 31

Management
apparatus

User A

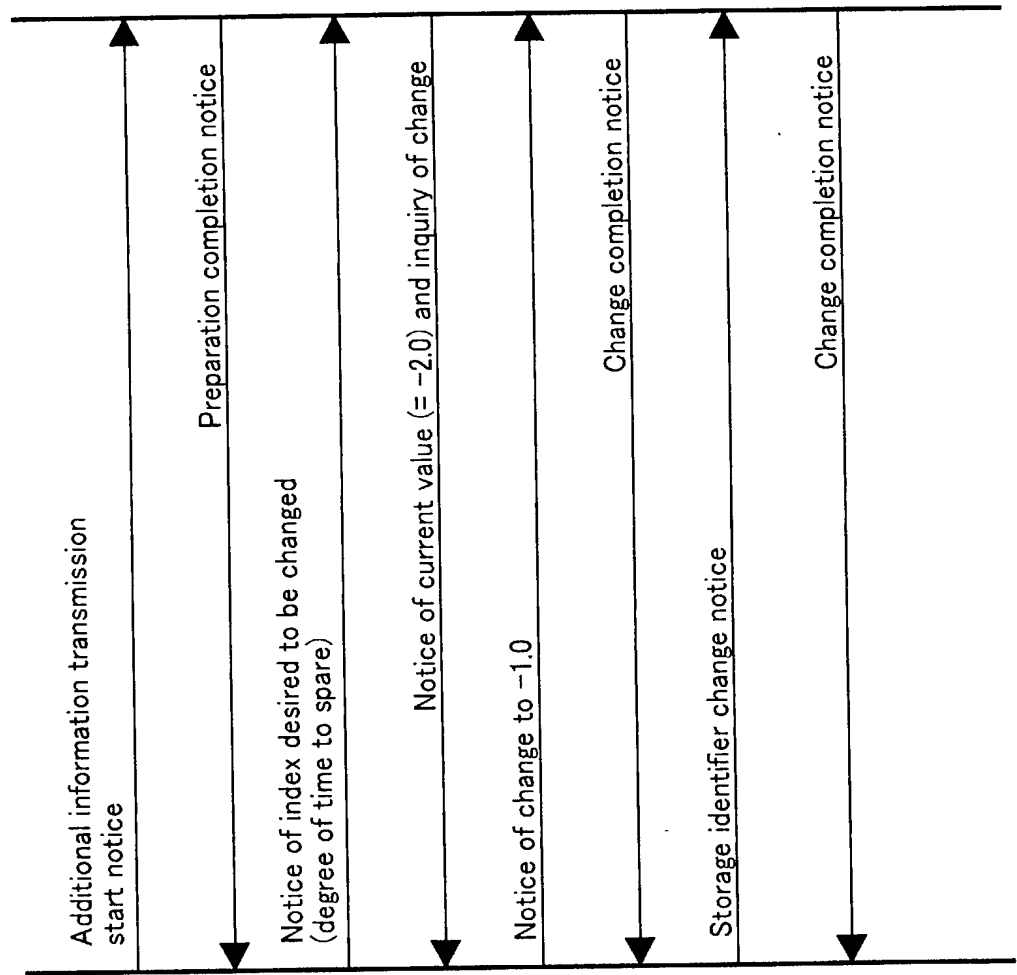
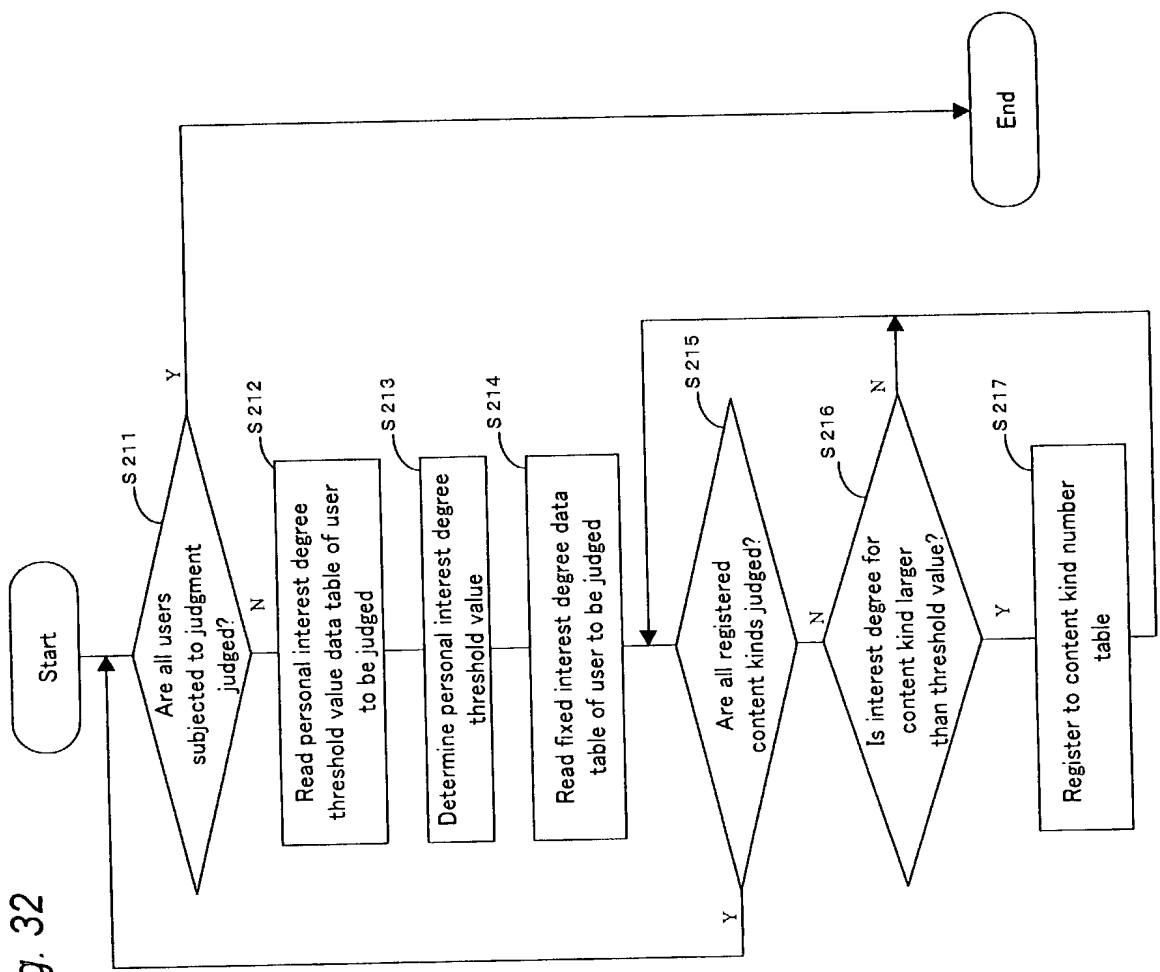




Fig. 32



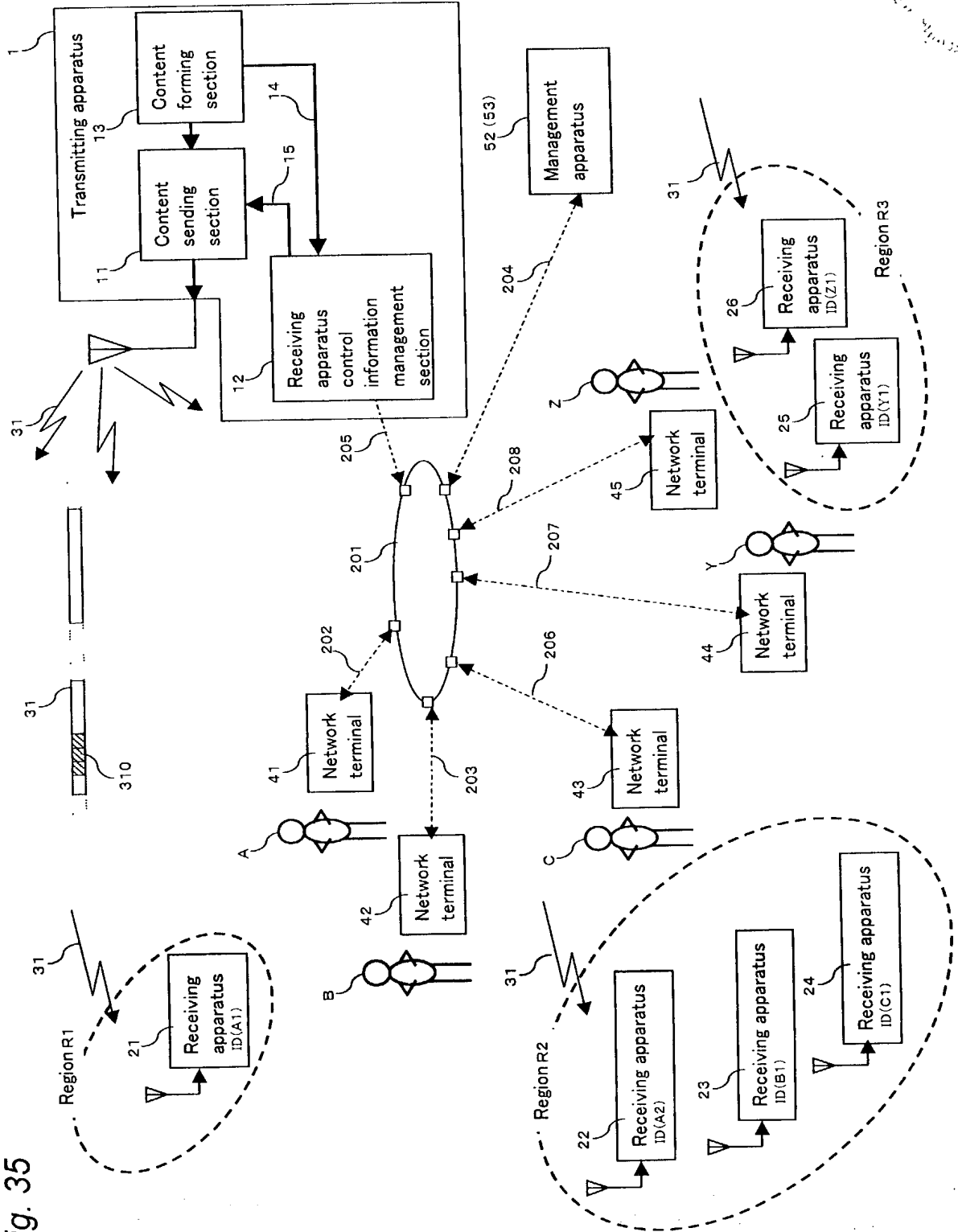
*Fig. 33*

User name	Interest degree threshold value
A	-1.0

*Fig. 34*

User name	Content kind number
A	00, 02, 10, 20, 21, 22

Fig. 35



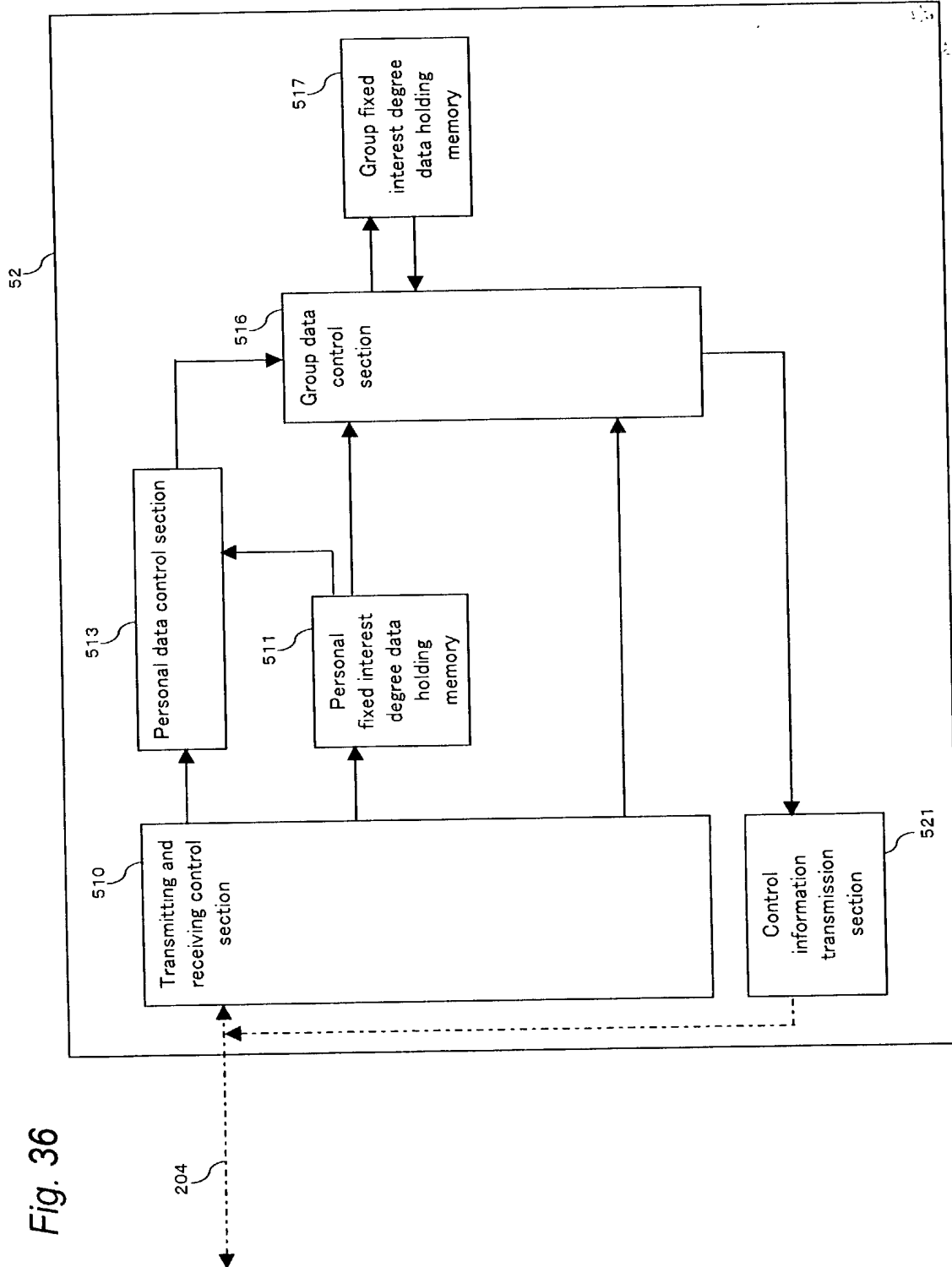


Fig. 36

Fig. 37

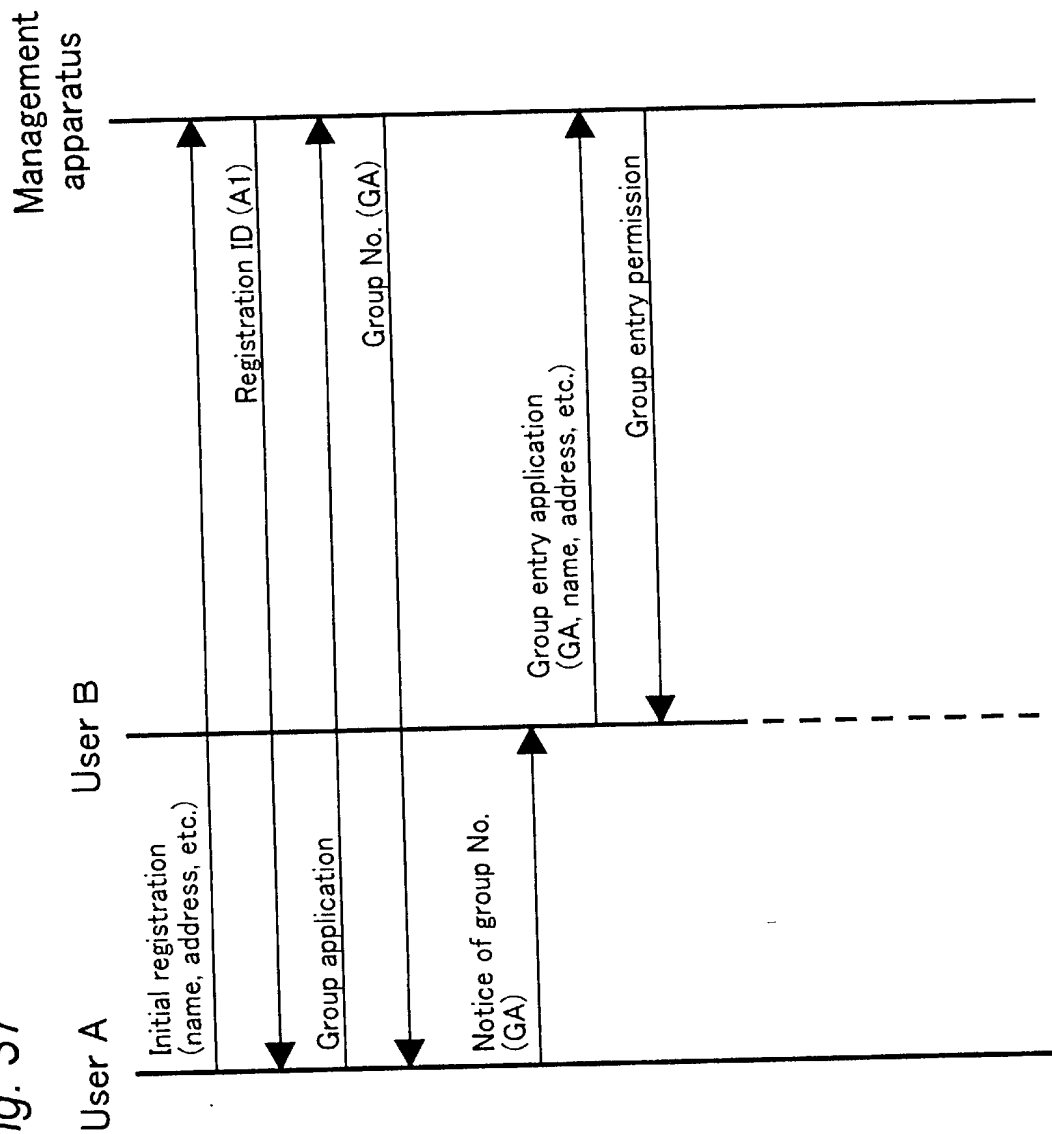


Fig. 38

User name	Receiving apparatuses identification number
A	ID(A1),ID(A2)
B	ID(B1)
C	ID(C1),ID(C2),ID(C3)
Y	ID(Y1)
Z	ID(Z1)

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Fig. 39

User name	Period	Receiving apparatuses identification number
A	1999/08/01 ~ 1999/08/31	ID(A1).ID(A2)
A	1999/09/01 ~ 1999/09/30	ID(A1)
B	No period limit	ID(B1)
C	No period limit	ID(C1).ID(C2).ID(C3)
Y	No period limit	ID(Y1)
Z	No period limit	ID(Z1)

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Fig. 40

	Content kind number									
User name	00	01	02	03	10	11	20	21	22	
A	1.0	-2.5	-0.5	-1.5	2.5	0.5	0.5	0.5	0.5	
B	0.5	-0.5	1.5	2.5	0.5	-0.5	-1.5	-0.5	2.5	
C	0.0	-0.5	-1.5	0.5	0.5	-0.5	2.5	-0.5	-2.5	
Y	-0.5	0.5	-0.5	-1.5	2.5	0.5	-0.5	0.5	-1.5	
Z	0.5	-1.5	-0.5	1.5	-0.5	-0.5	0.5	2.5	1.5	

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Fig. 41

User name	Content kind number										
	00	01	02	03	10	11	20	21	22		
A	1.0	-2.5	-0.5	-1.5	2.5	0.5	0.5	0.5	0.5		
	α	α	α	β	α	α	γ	β	β		
B	0.5	-0.5	1.5	2.5	0.5	-0.5	-1.5	-0.5	2.5		
	β	β	α	α	α	α	α	γ	γ		
C	0.0	-0.5	-1.5	0.5	0.5	-0.5	2.5	-0.5	-2.5		
	α	α	α	α	α	α	α	α	α		
Y	-0.5	0.5	-0.5	-1.5	2.5	0.5	-0.5	0.5	-1.5		
	α	α	α	γ	γ	γ	β	β	β		
Z	0.5	-1.5	-0.5	1.5	-0.5	-0.5	0.5	2.5	1.5		
	α	α	α	β	β	β	γ	γ	γ		

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*Fig. 42*

User	Content kind number
A	00, 10
B	02, 03, 22

*Fig. 43*

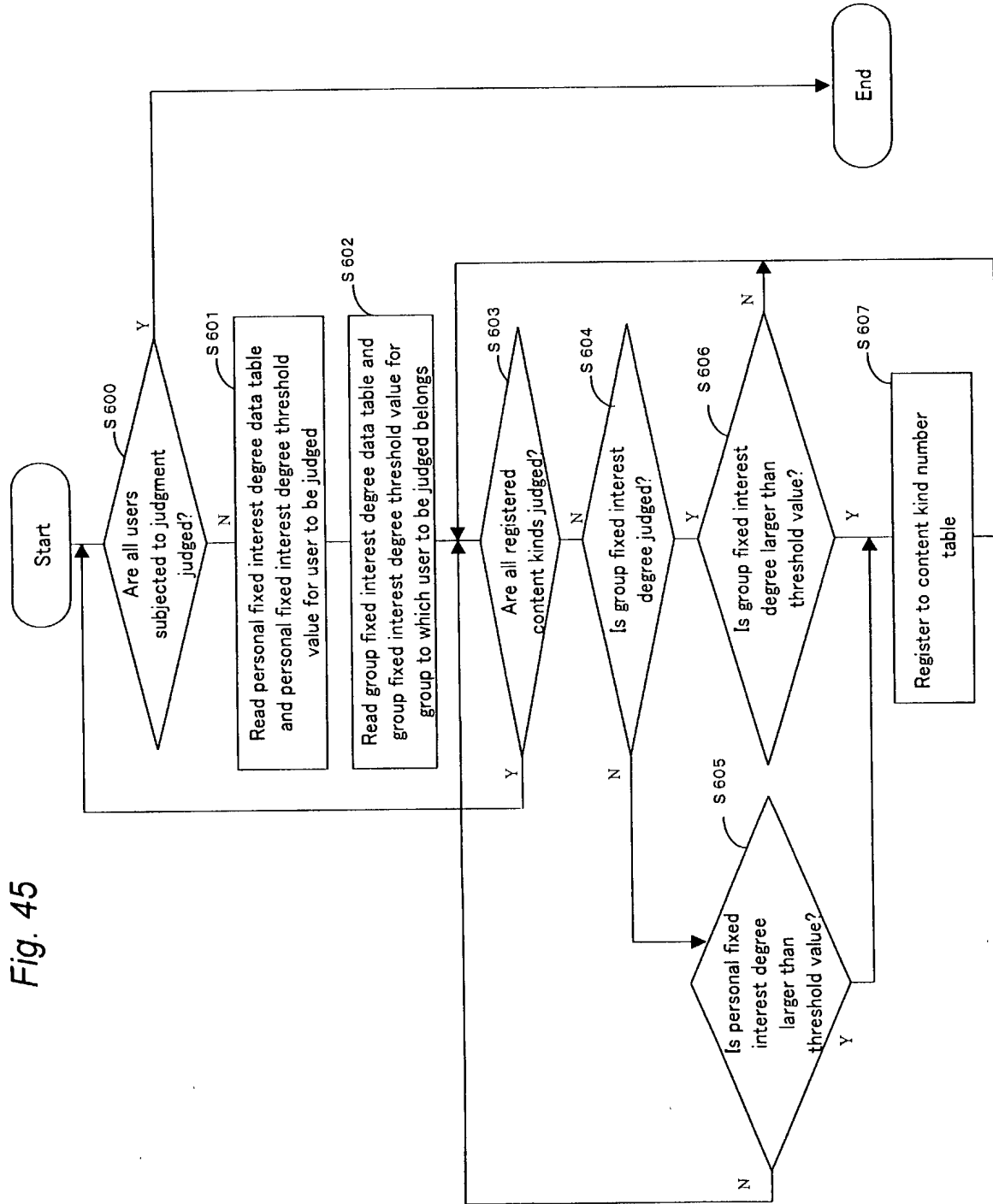
Group	Names of users belonging to group
G1	A, B, C
G2	A, Y, Z

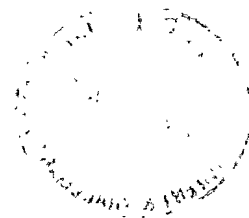


Fig. 44

Content kind number										
	00	01	02	03	10	11	20	21	22	
Group										
G1	0.5	-1.1	-0.1	0.5	1.1	-0.1	0.5	-0.1	0.1	
G2	0.3	-1.1	-0.5	-0.5	1.5	0.1	0.1	1.1	0.1	

Fig. 45



*Fig. 46*

Group	Content kind number
G1	10
G2	10, 21

Fig. 47

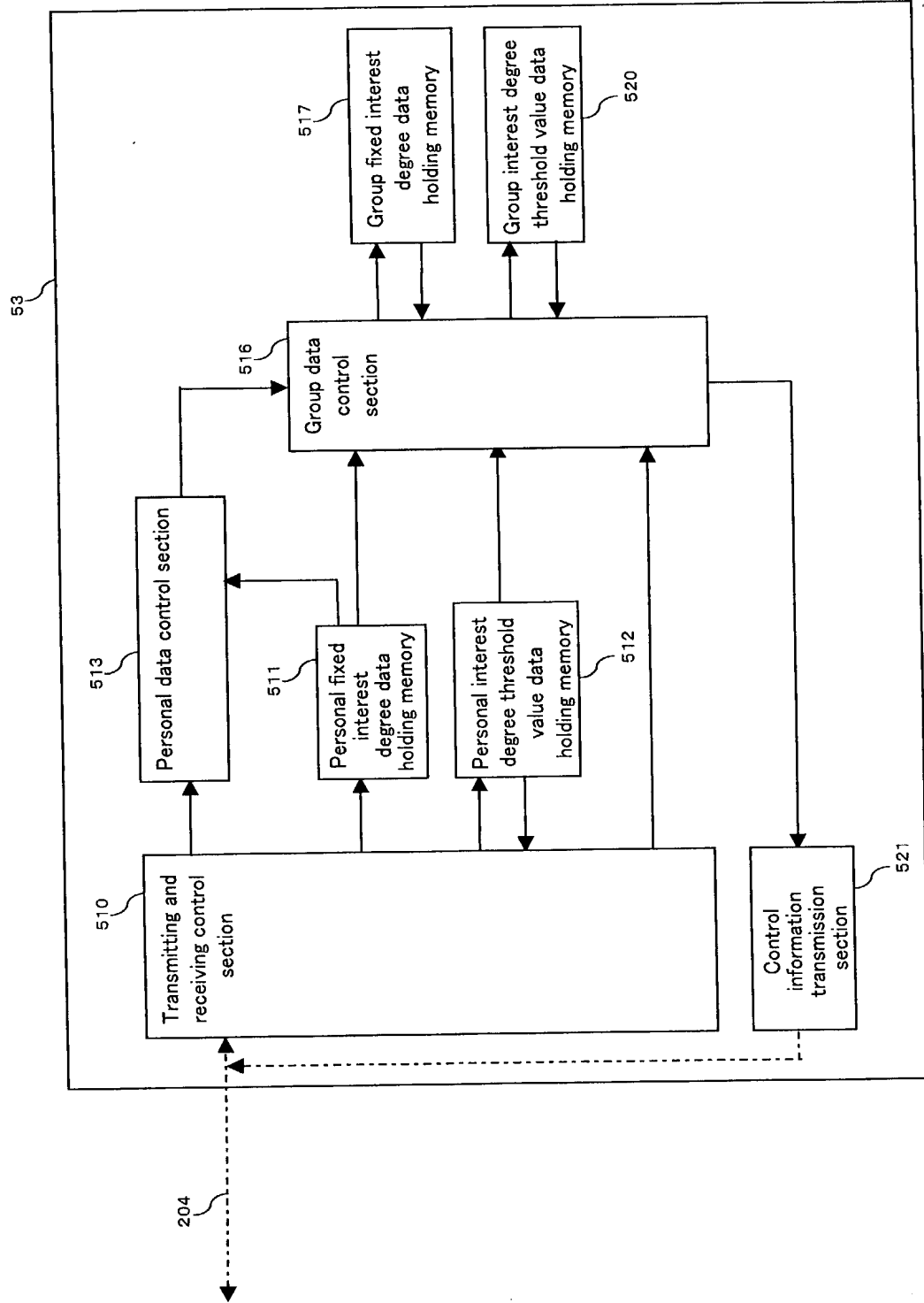


Fig. 48

Common index	Interest degree threshold value
Busy	0.5
Sleepy	0.5
Unhealthy	1.0
Tired	0.5
No time	1.0
No money	0.5
Very poor	1.0
Wishing to have a holiday	0.5
Lonely	-0.5



Fig. 49

Common index	Interest degree threshold value	
	A	
Busy	0.0	
Sleepy	0.0	
Unhealthy	0.0	
Tired	0.0	
No time	1.0	
No money	0.0	
Very poor	0.0	
Wishing to have a holiday	0.0	
Lonely	0.0	

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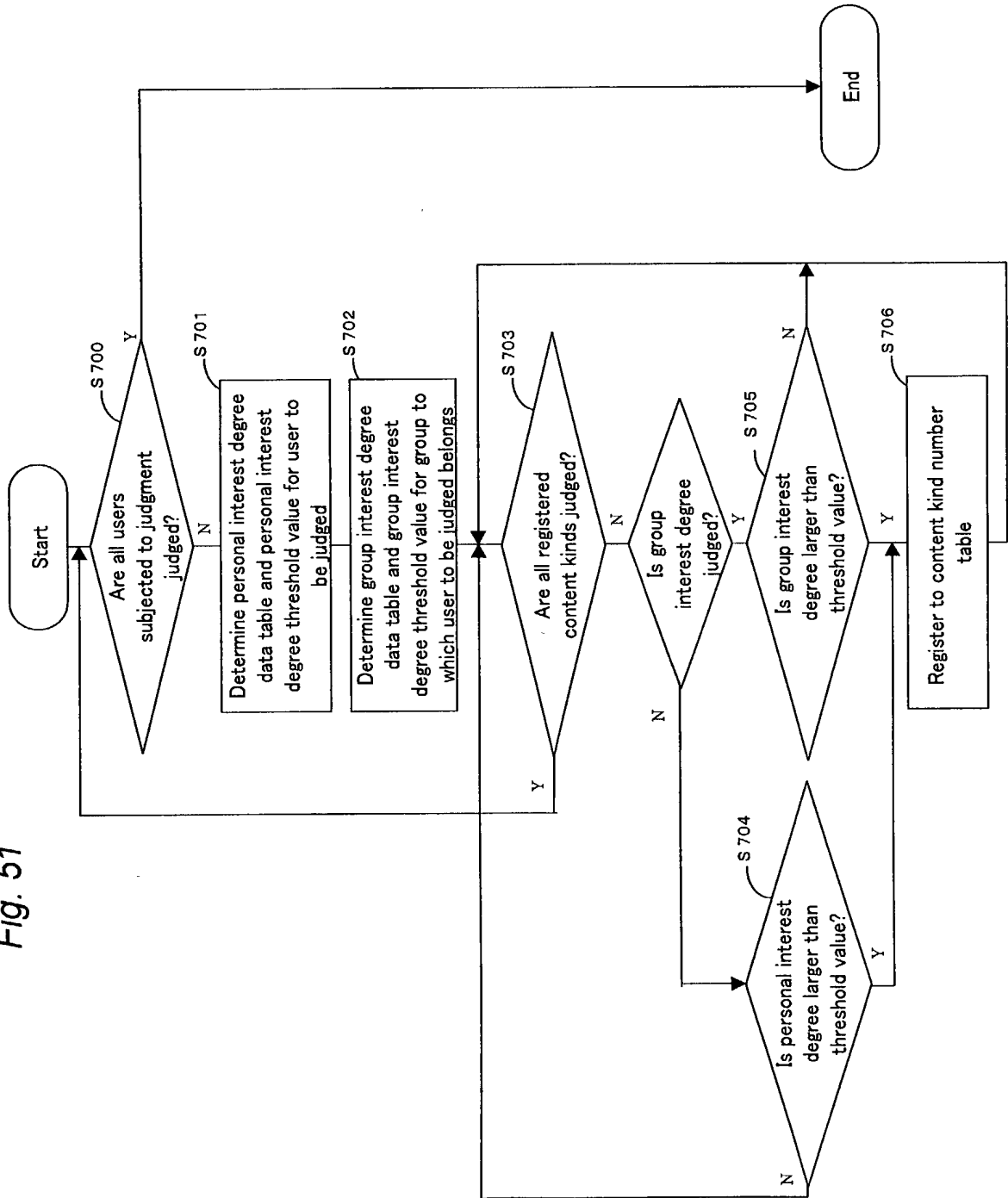


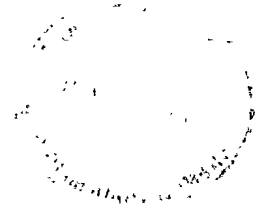
Fig. 50

Common index	Interest degree threshold value		
	A	B	C
Busy	0.0	0.5	0.0
Sleepy	0.0	0.0	0.0
Unhealthy	0.0	0.0	0.0
Tired	0.0	0.0	0.0
No time	1.0	0.0	0.0
No money	0.0	0.0	0.0
Very poor	0.0	0.0	0.0
Wishing to have a holiday	0.0	0.0	-0.5
Lonely	0.0	0.0	0.0



Fig. 51



*Fig. 52*

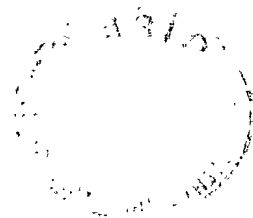
User	Interest degree threshold value
A	1.0

*Fig. 53*

Group	Interest degree threshold value
G1	1.0

*Fig. 54*

User	Content kind number
A	10

*Fig. 55*

Group	Content kind number
G1	10



Fig. 56

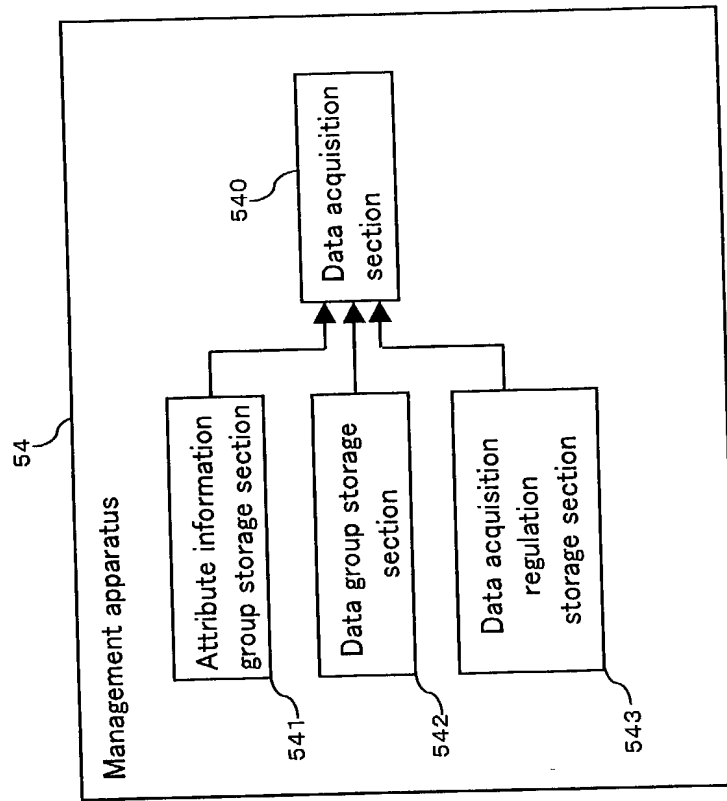




Fig. 57

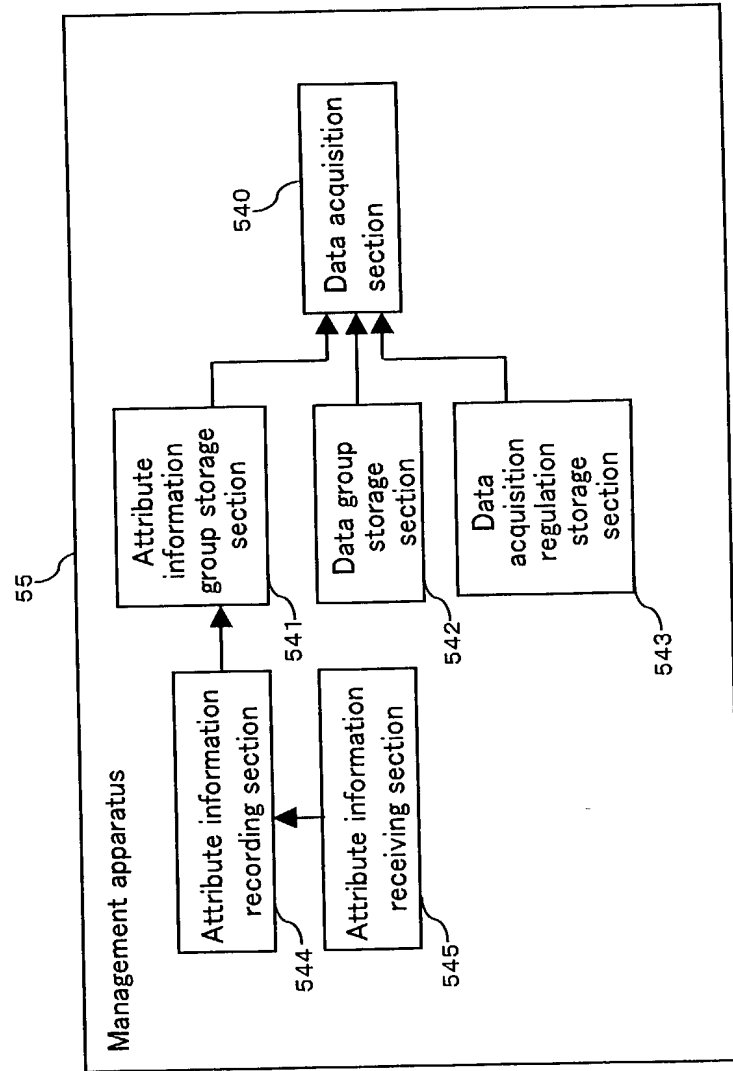


Fig. 58

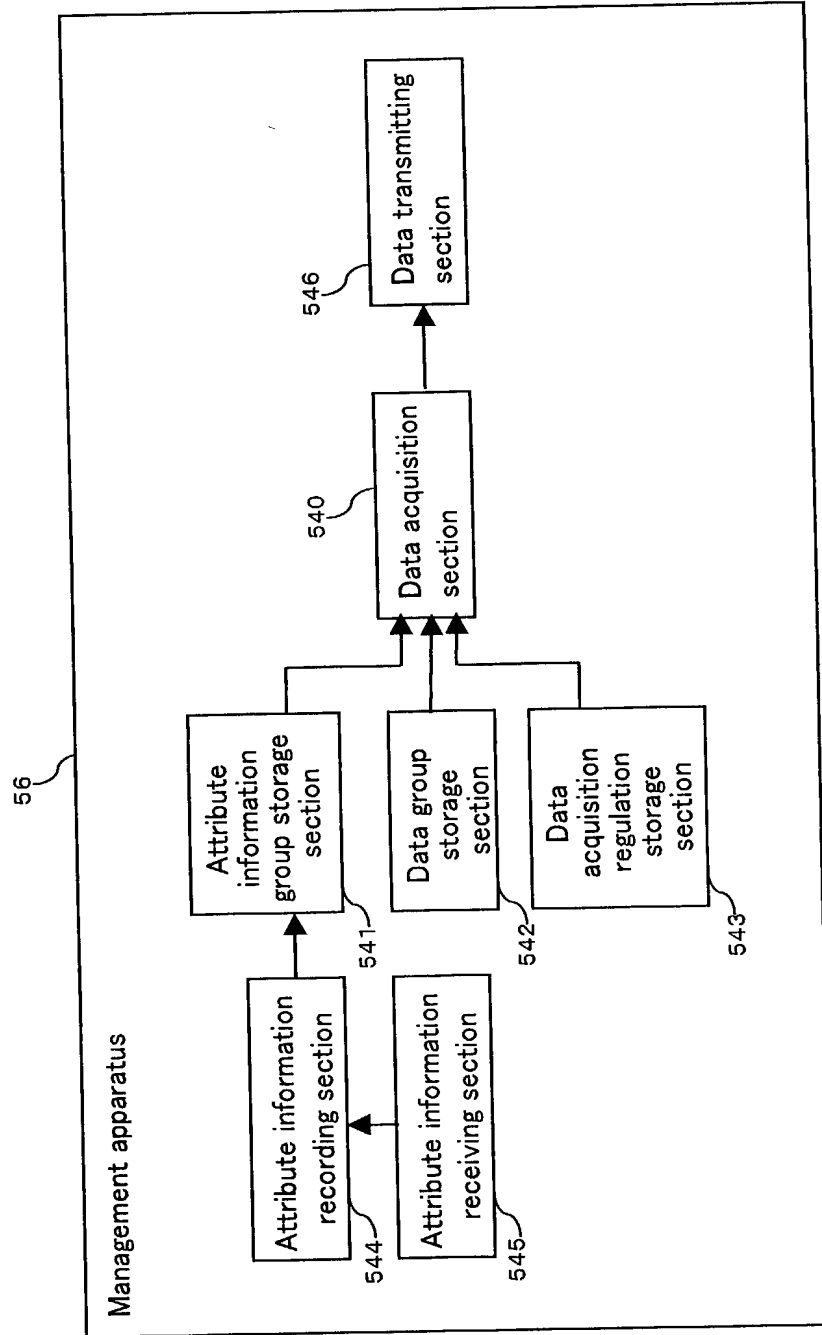
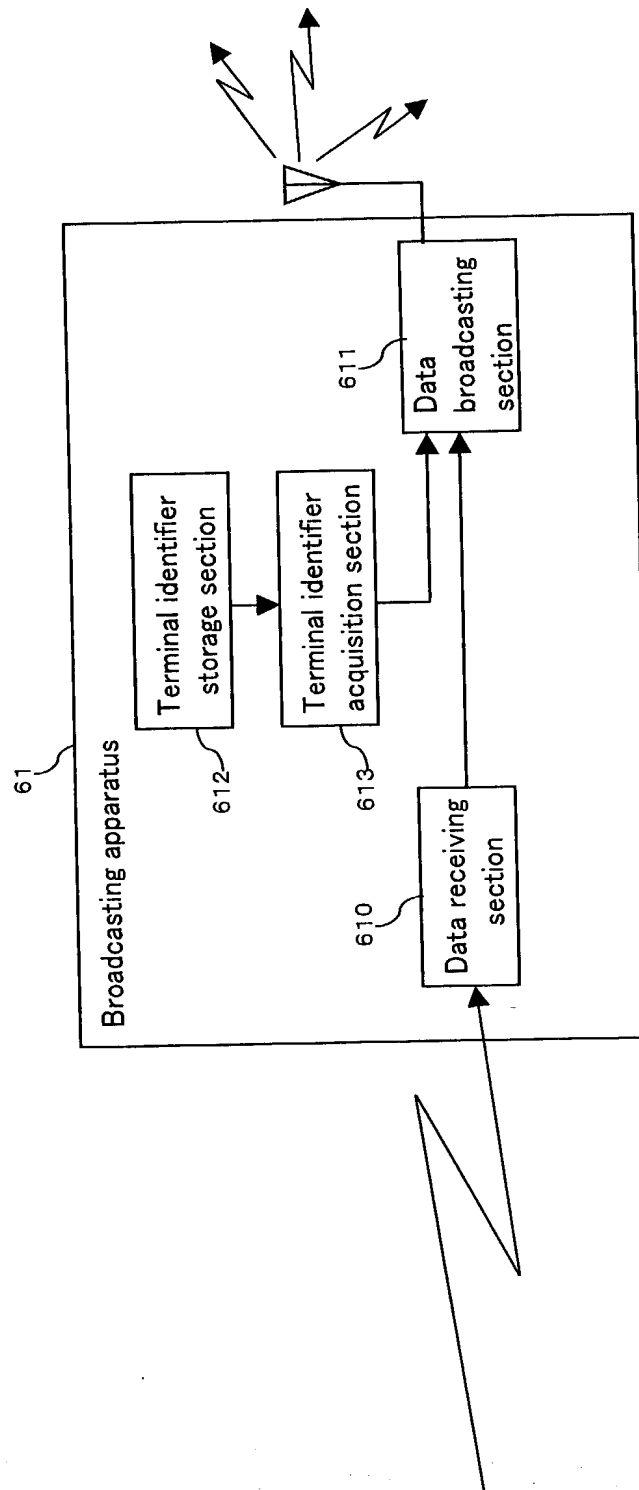


Fig. 59



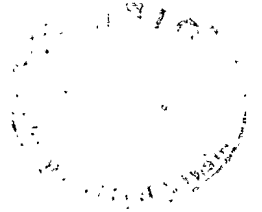


Fig. 60

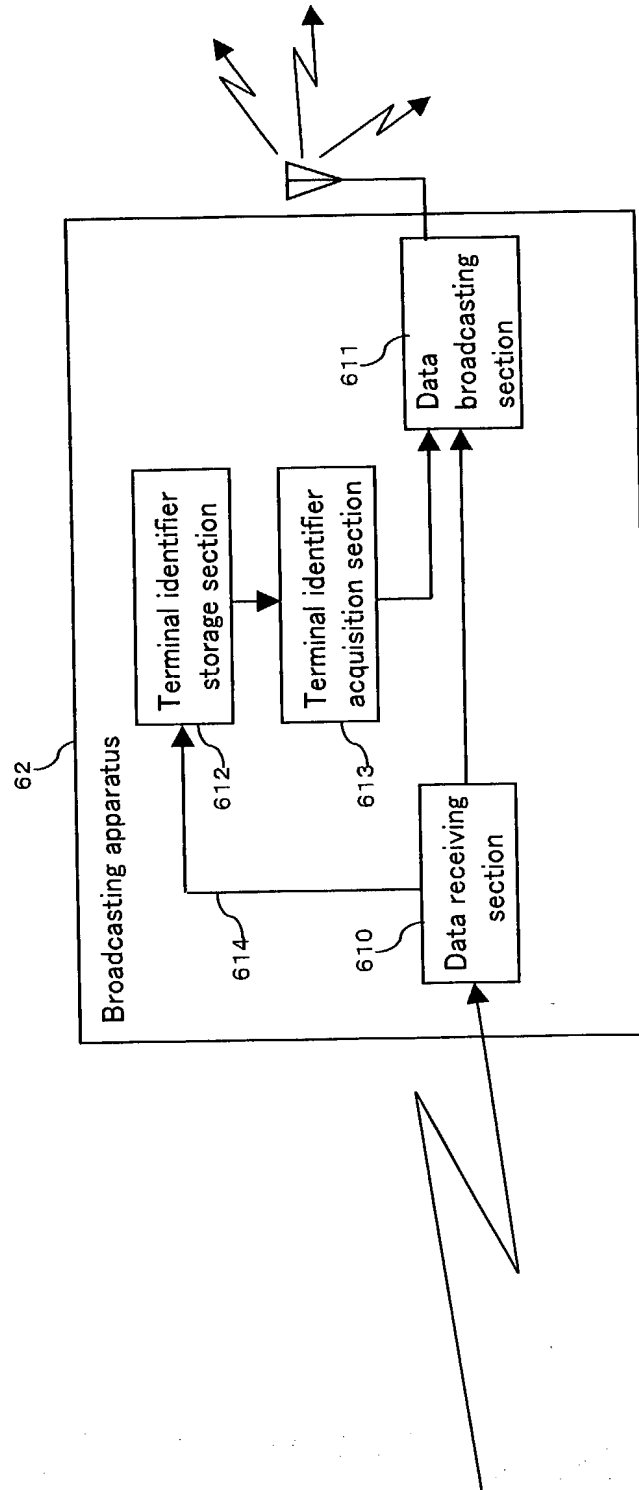
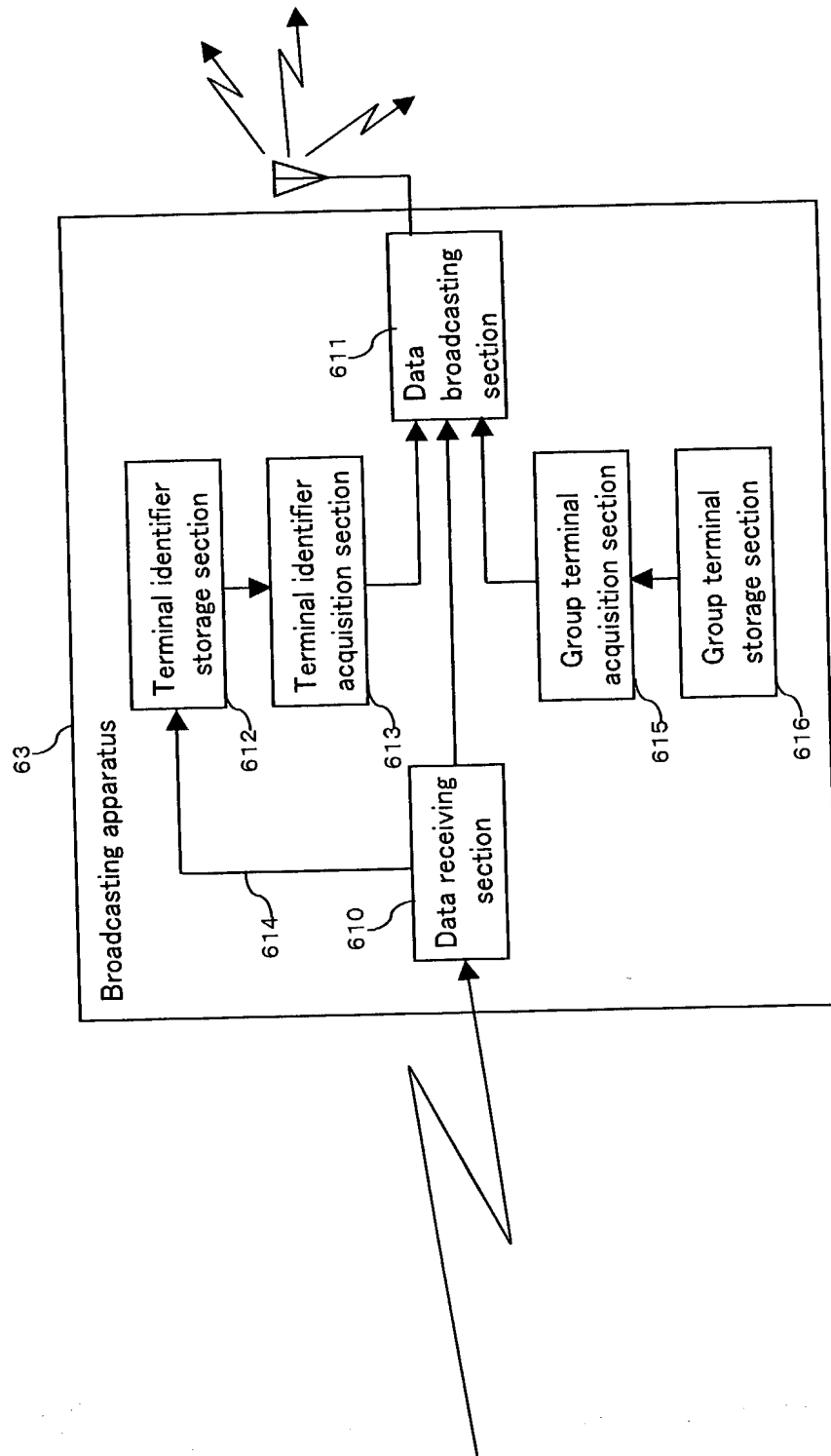




Fig. 61



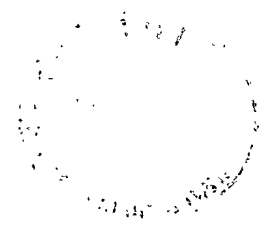


Fig. 62

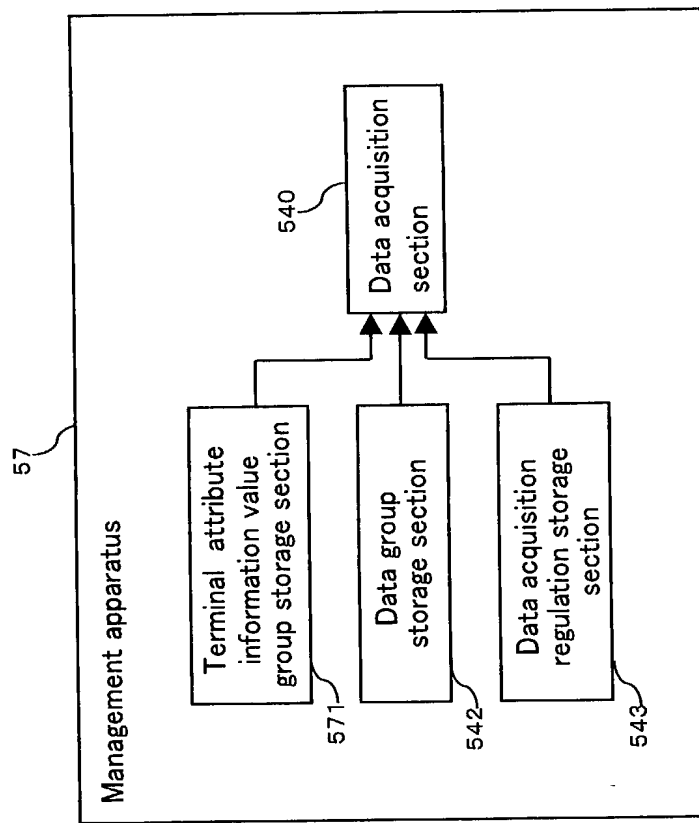


Fig. 63

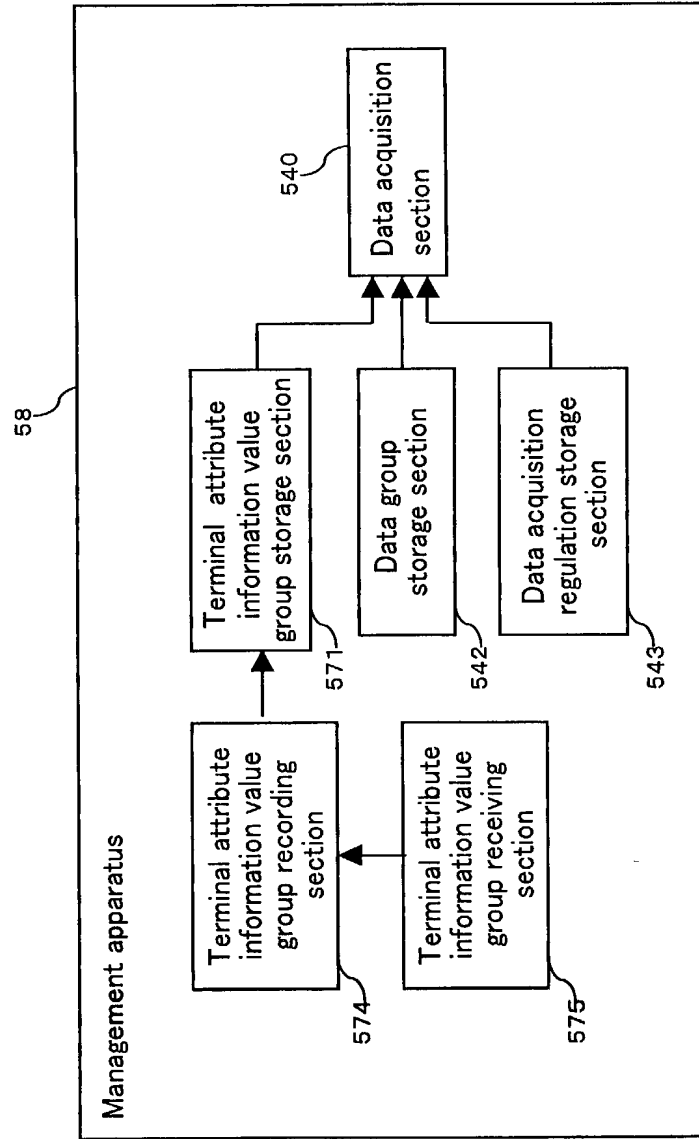


Fig. 64

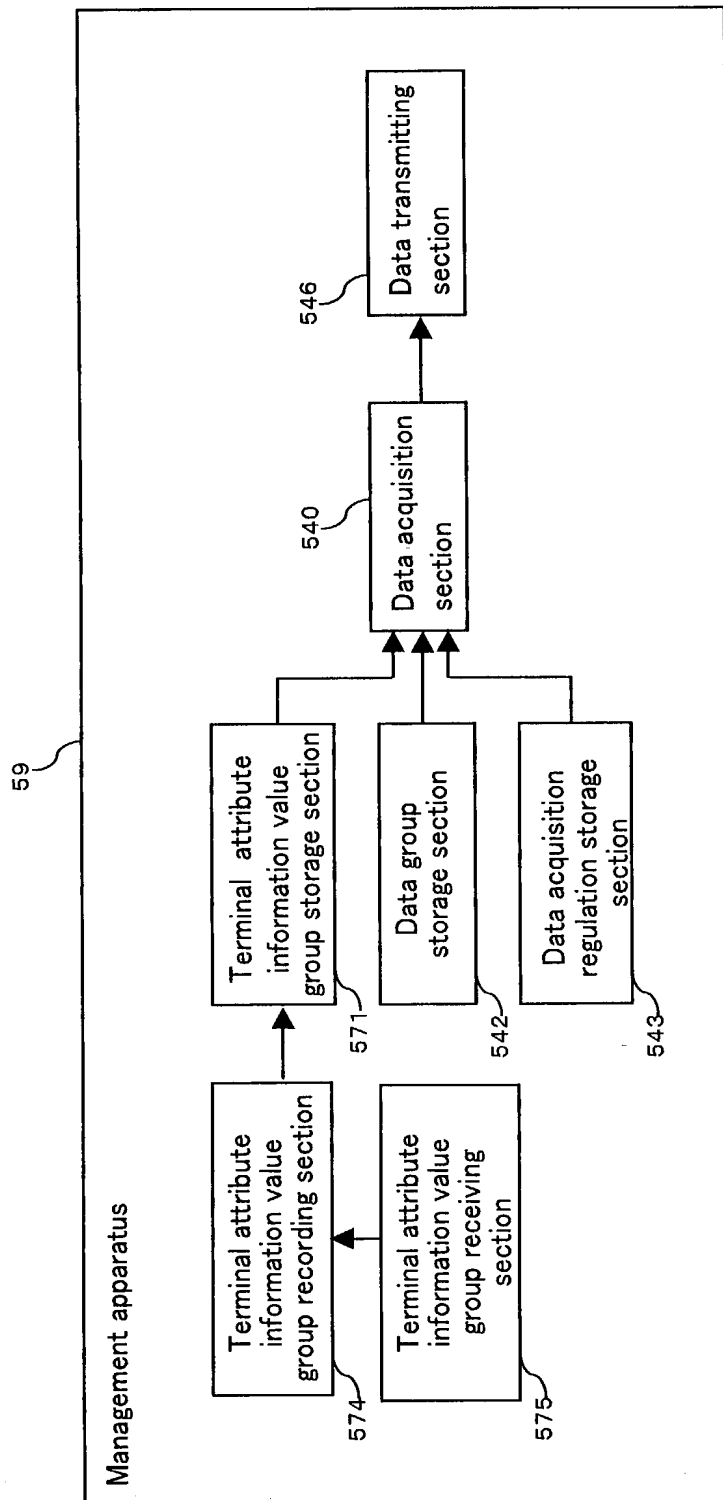
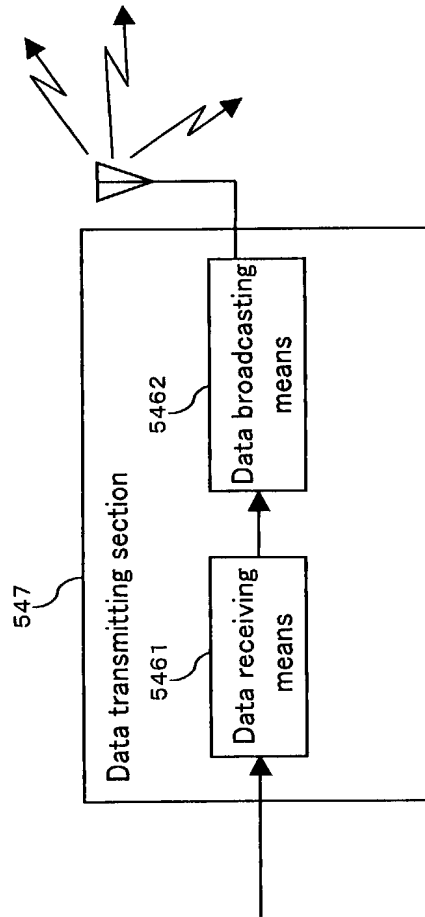


Fig. 65



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Fig. 66

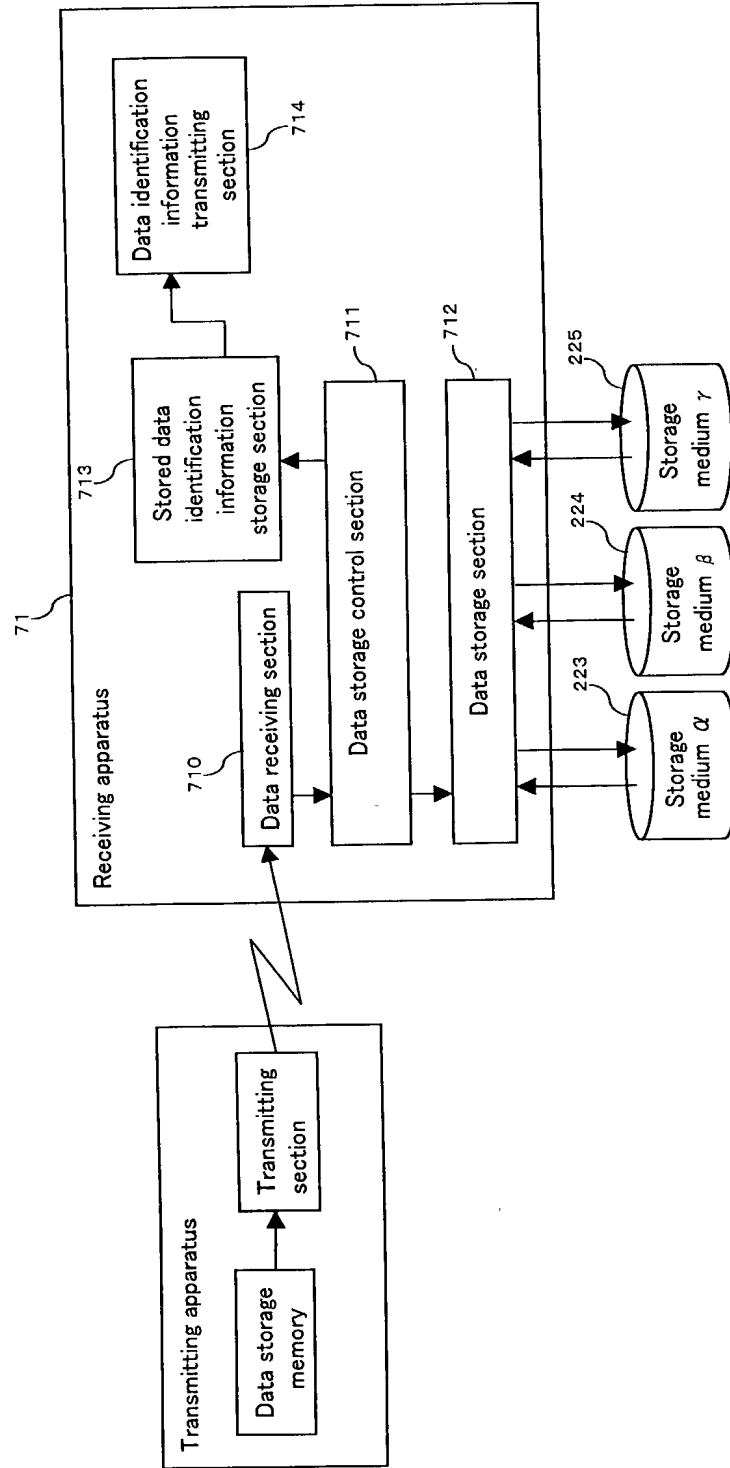
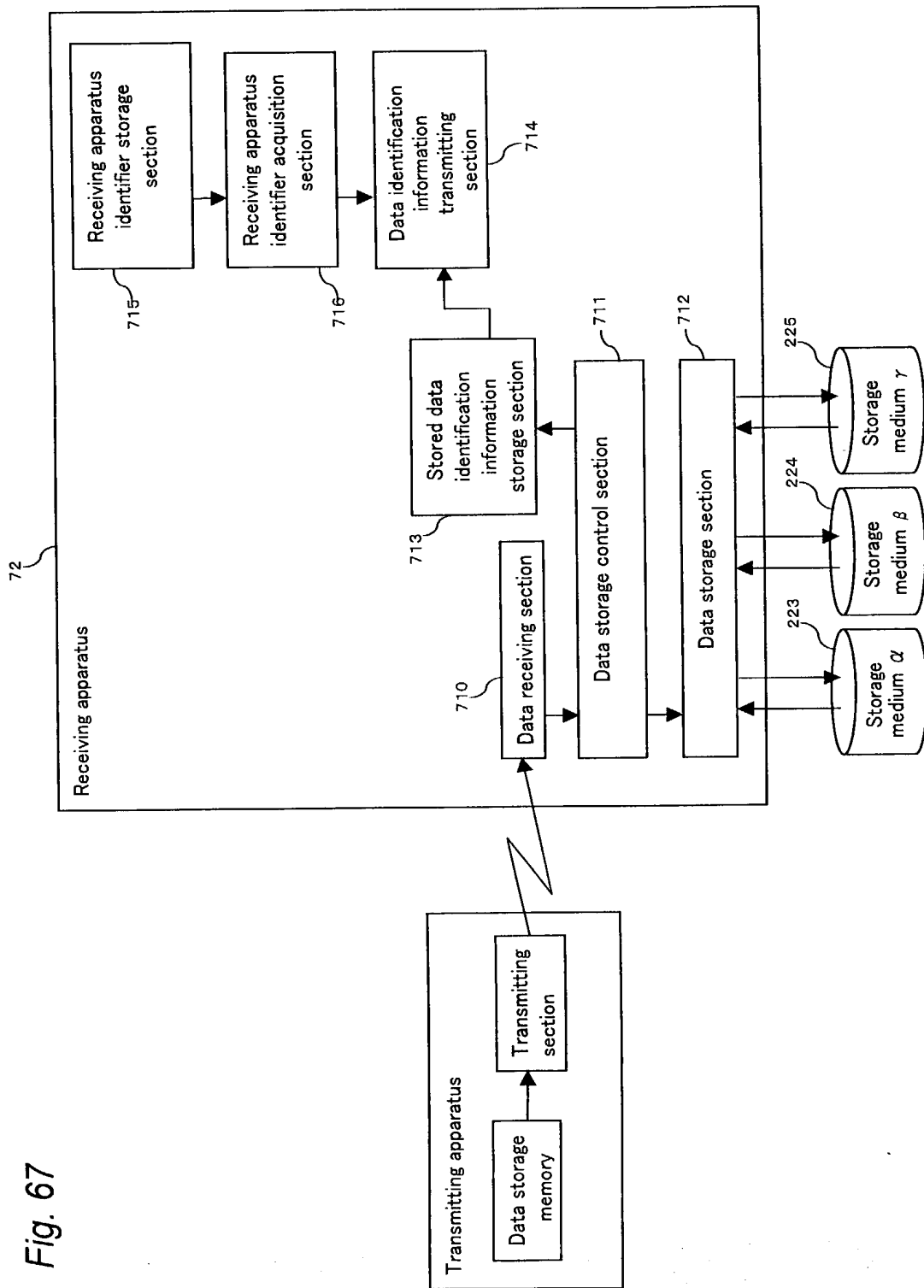


Fig. 67



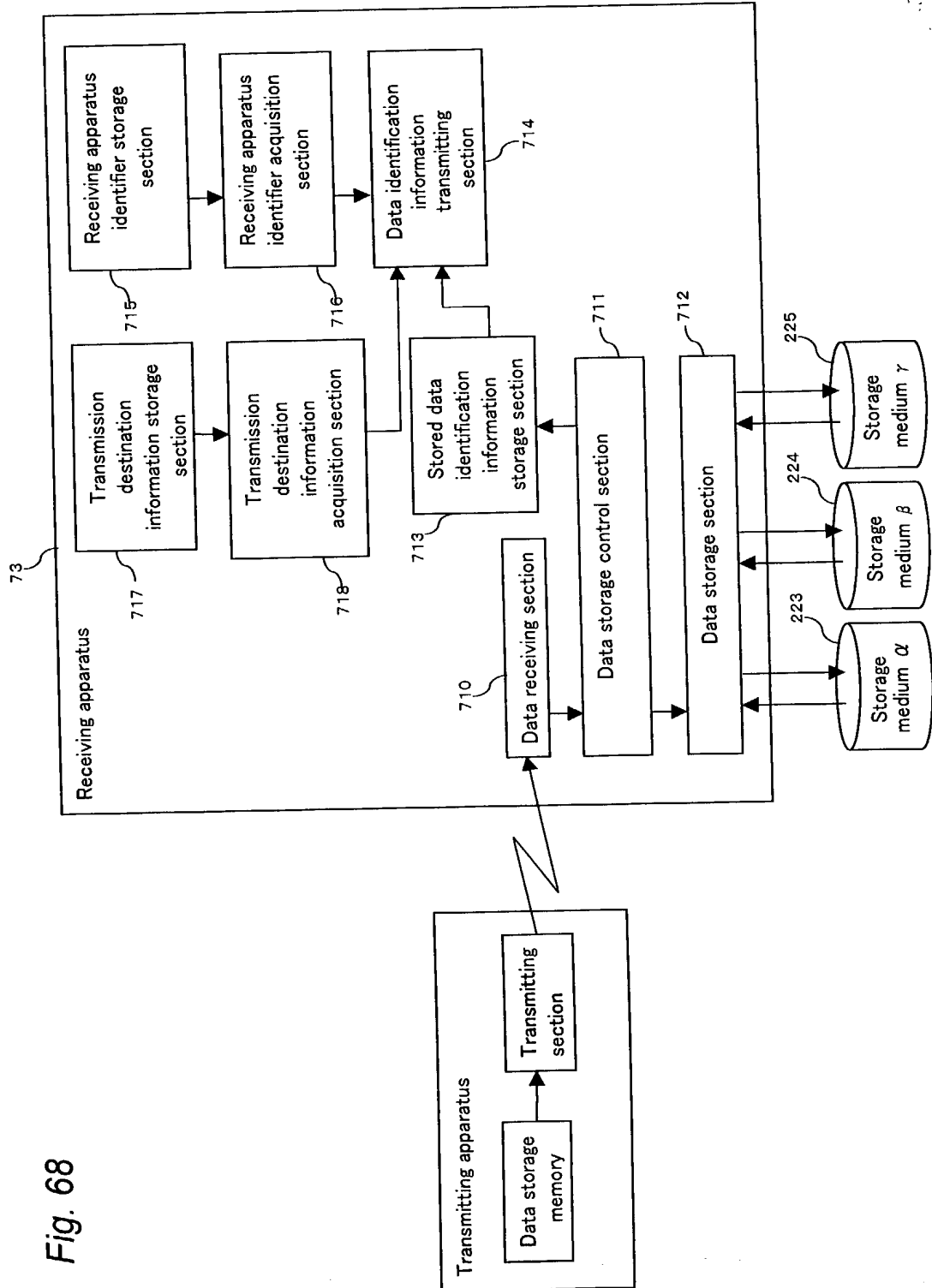


Fig. 68

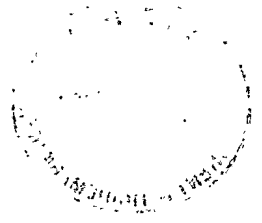


Fig. 69

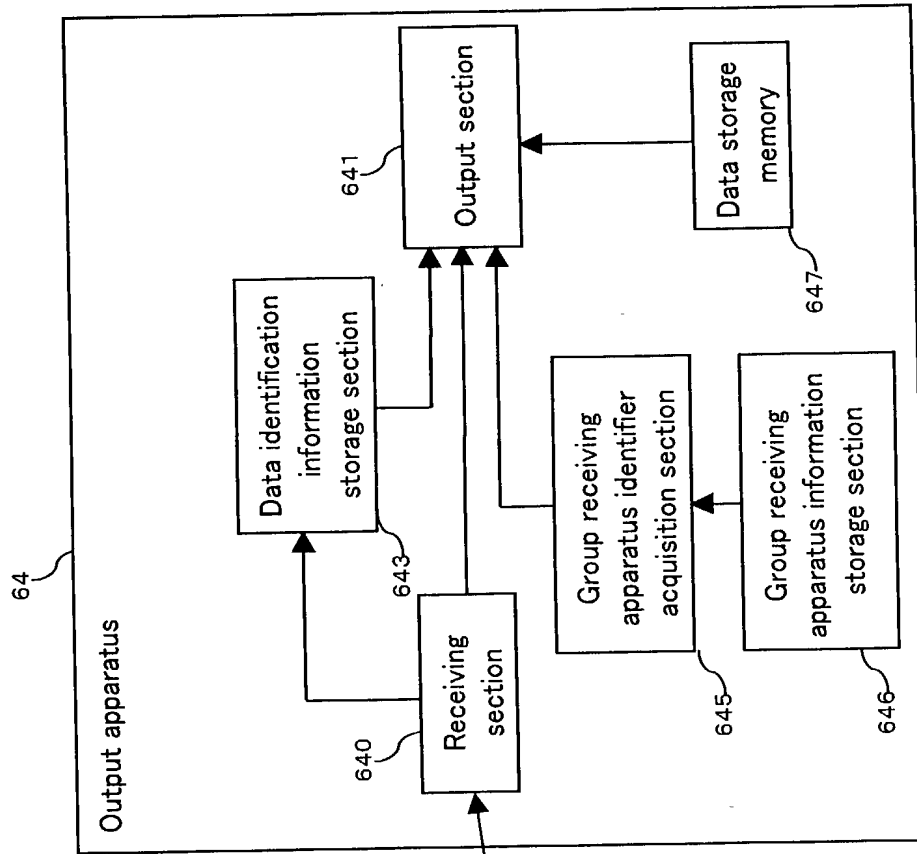


Fig. 70

